AL-TR-1991-0120

MAR 6 1992

AD-A247 180



BASELINE HAZARDOUS WASTE STREAM CHARACTERIZATION SURVEY AT THE 21ST TACTICAL FIGHTER WING, ELMENDORF AIR FORCE BASE, ALASKA

Mark S. Bishop, Technical Sergeant, USAF

OCCUPATIONAL AND ENVIRONMENTAL HEALTH DIRECTORATE
Brooks Air Force Base, TX 78235-5000

November 1991

Final Report for Period 25 February - 1 March 1991

Approved for public release; distribution is unlimited.

92 3 03 050

92-05577

AIR FORCE SYSTEMS COMMAND BROOKS AIR FORCE BASE. TEXAS 78235-5000 =

NOTICES

When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely Government-related procurement, the United States Government incurs no responsibility or any obligation whatsoever. The fact that the Government may have formulated or in any way supplied the said drawings, specifications, or other data, is not to be regarded by implication, or otherwise in any manner construed, as licensing the holder or any other person or corporation; or as conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.

The mention of trade names or commercial products in this publication is for illustration purposes and does not constitute endorsement or recommendation for use by the United States Air Force.

The Office of Public Affairs has reviewed this report, and it is releasable to the National Technical Information Service, where it will be available to the general public, including foreign nationals.

This report has been reviewed and is approved for publication.

Government agencies and their contractors registered with Defense Technical Information Center (DTIC) should direct requests for copies to: DTIC, Cameron Station, Alexandria VA 22304-6145.

Non-Government agencies may purchase copies of this report from: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield VA 22161-2103.

MARK S. BISHOP, TSgt. USAF

Mark S. Bishop

NCOIC, Air Quality and Hazardous

Waste Function

EDWARD F. MAHER, Lt Col, USAF, BSC Chief, Bioenvironmental Engineering

Division

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for information Operations and Reports, 1215 Jefferson Operations 1216 Jefferson Operations 222024302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188). Washington DC 20503

| Davis Highway, Suite 1204, Arlington, VA 222 | 02-4302, and to the Office of Mana | gement and Budget, Pap | rwork Reduction Pro | oject (0704-01 | 88), Washington, DC 20503 | | | |
|---|------------------------------------|------------------------|---------------------|----------------|---|-------|--|--|
| 1. AGENCY USE ONLY (Leave bla | | | PORT TYPE AN | | | | | |
| | Nov 91 | 1 1-11 | nal 25 Fe | | | | | |
| 4. TITLE AND SUBTITLE | | | | 5. FUND | DING NUMBERS | | | |
| Baseline Hazardous W | | | • | 1. | | | | |
| the 21st Tactical Fighter | Wing, Elmendorf | Air Force Ba | se, Alaska | 1 | | | | |
| 6. AUTHOR(S) | | | | 1 | | | | |
| | | | | | | | | |
| Mark S. Bishop | | | | | | | | |
| | | | | | 0014116 0064111747104 | | | |
| 7. PERFORMING ORGANIZATION I | AME(S) AND ADDRESS(E | :5) | | | ORMING ORGANIZATION IRT NUMBER | í | | |
| Armstrong Laboratory | | | | İ | | | | |
| Occupational and Envir | onmental Health | Directorate | | 1 | | | | |
| Brooks Air Force Base, | TX 78235-5000 | | | AL-T | R-1991-0120 | | | |
| | | | | | | | | |
| 9. SPONSORING/MONITORING AC | ENCY NAME(S) AND AD | DRESS(ES) | | | NSORING / MONITORING NCY REPORT NUMBER | | | |
| | | | | AGE | NCT REPORT NUMBER | | | |
| | | | | } | | | | |
| | | | | • | | | | |
| 1. SUPPLEMENTARY NOTES | | | | | | | | |
| 1. SUPPLEMENTARY NOTES | | | | | | | | |
| 1. SUPPLEMENTARY NOTES 2a. DISTRIBUTION / AVAILABILITY STATEMENT 12b. DISTRIBUTION CODE | | | | | | | | |
| | | | | | | | | |
| | | | , | 1434 546 | TRIBUTION CODE | | | |
| 12a. DISTRIBUTION / AVAILABILITY | STATEMENT | | | 125. 013 | TRIBUTION CODE | | | |
| | | | | 1 | | | | |
| Approved for public rele | ease; distribution i | s unlimited. | | 1 | | | | |
| , | | | | | | | | |
| | | | | <u> </u> | | | | |
| 13. ABSTRACT (Maximum 200 wor | ds) | | | | | | | |
| At the request of USAF | Regional Hospita | I Elmendorf/S | SGPB (PAC | CAF), th | ne Armstrong Lab | ora- | | |
| tory, Occupational and | | | | | | | | |
| waste stream character | | | | | | | | |
| this survey was to sar | | | | | | | | |
| sludge from selected si | | | | | | | | |
| The survey team perfo | | | | | | | | |
| hazardous waste mana | | | | | | | | |
| | | | , | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 45 44444655 65 54 55 | | | |
| 14. SUBJECT TERMS Hazardous Waste Stream | ım Characterizatio | n Drum S | amolina | | 15. NUMBER OF PAGES | , | | |
| Elmendorf Air Force Bas | | | -···P·····9 | | 348 16. PRICE CODE | | | |
| Employer All Folde Da | o trade midiya | J.J | | | | | | |
| 17. SECURITY CLASSIFICATION | 18. SECURITY CLASSIFIC | | URITY CLASSIFI | CATION | 20. LIMITATION OF ABS | TRACT | | |
| OF REPORT | OF THIS PAGE | 1 - | ABSTRACT | | | | | |
| Unclassified | Unclassified | i Un | classified | | UL | | | |

CONTENTS

| <u>Page</u> |
|---|
| ACKNOWLEDGMENTSiv |
| INTRODUCTION1 |
| Base Description |
| DISCUSSION2 |
| Method |
| RECOMMENDATIONS4 |
| REFERENCES5 |
| APPENDIXES |
| A Elmendorf AFB Request Letter With Attachments |

ACKNOWLEDGMENTS

The author greatly appreciates the technical assistance and hard work provided by personnel at Elmendorf AFB who provided information and logistical support during the survey. Major Waterhouse, Chief, Bioenvironmental Engineering, USAF Regional Hospital, was especially supportive. SMSgt Godwin, MSgt Ziv, MSgt Freitis (Sel) and Sgt Munda, USAF Regional Hospital BES, also provided invaluable assistance.

A special note of thanks is given to MSgt Benjamin Hernandez, AL/OEB, MSgt Michael Wantland, AL/OEAT, SSgt Robert Davis, AL/OEB and A1C Christopher Feagin, AL/OEM, who provided extensive support and dedication before, during and after the survey. Without their support this survey would not have been possible.

BASELINE HAZARDOUS WASTE STREAM CHARACTERIZATION SURVEY AT THE 21ST TACTICAL FIGHTER WING, ELMENDORF AIR FORCE BASE, ALASKA

INTRODUCTION

The Elmendorf Air Force Base (AFB) Bioenvironmental Engineering Services (BES) requested assistance from Armstrong Laboratory in performing a comprehensive baseline analysis of all chemical waste streams on Elmendorf AFB, Alaska (Appendix A). The survey was prompted by increased regulatory oversight of all environmental programs at Elmendorf AFB and the desire by both the base Environmental Coordinator (21 CES/DEEV) and BES to improve the overall management control of the base's hazardous waste program. The survey was conducted by the following personnel:

| Capt Patrick T. McMullen | AL/OEBE |
|--------------------------|---------|
|--------------------------|---------|

MSgt Michael J. Wantland AL/OEA

MSgt Benjamin Hernandez AL/OEBE

TSgt Mark S. Bishop AL/OEBE

SSgt Robert P. Davis AL/OEBE

A1C Christopher Feagin AL/OEMB

Base Description

Elmendorf AFB borders Anchorage, Alaska, north of Ship Creek and is adjacent to Fort Richardson. The base is headquarters for the 11th Tactical Control Wing and the 21st Tactical Fighter Wing with its two F-15 squadrons. The base is located along the Turnagain Arm of Cook Inlet at the base of the picturesque Chuagh Mountain range.

Hazardous Waste Program

The Hazardous Waste Program is managed through the base Civil Engineer, Environmental Coordinator and Contract Planning Office (21 CES/DEEV). The Defense Reutilization and Marketing Office (DRMO) is responsible for contractual removal of hazardous waste. BES supports the program through annual industrial shop surveys and hazardous waste sampling. The base has approximately 180

industrial shops and 186 active waste streams. Because of the large equipment, manpower, and technical expertise requirements required to accomplish the baseline survey, BES requested Armstrong Laboratory support.

Objectives

The first objective of this survey was to visit workplaces to sample and analyze all active waste streams and oil/water separator sludge from 14 selected sites to acquire information in determining the presence of hazardous waste. The last objective was to characterize the contents of 54 drums containing unknown material located at hanger 1, building 11-670, and the 21st CES Power Plant, building 22-004.

DISCUSSION

Method

Each sample was taken to provide a representative sample of the waste. Stratification of the waste due to age and/or varying physical properties was taken into account. All field sampling met the Environmental Protection Agency's (EPA) criteria for representative solid waste sampling according to EPA publication number 846, "Test Methods for Evaluation of Solid Waste." A total of 118 samples was taken from drums and oil/water separators using the established EPA criteria (1).

Drummed liquids were extracted by using a composite liquid waste sampler (COLIWASA). A COLIWASA is a three foot (1.22m) cylindrical glass tube containing a plug rod that is used to close the end of the glass tube. A COLIWASA permits representative sampling of multiphase wastes of a wide range of viscosity, corrosivity, volatility and solids content. A separate COLIWASA was used to collect the sample from each drum.

Sludge samples were obtained by scooping the sample container into the sludge when possible. Paint sludge samples were obtained by tearing the dried paint into pieces and putting the pieces into the sample container.

All samples were collected in Eagle Pitcher Level II Certified bottles. The bottles are cleaned by the vendor according to EPA protocols in order to eliminate the container as a source of sample contamination. Each sample bottle was labeled with a unique sample number to avoid misidentification.

All samples were shipped to the Armstrong Laboratory, Analytical Services Division where they were logged into the computer system and prepared for shipment to Raba-Kistner Consultants, Inc., for analysis.

Survey Overview

A concerted effort was made by all parties involved to accomplish this survey with maximum logistic and economic efficiency. The overall sampling and analysis plan was coordinated on the first survey day with Mr Sam Swearingen, Chief DRMO, to avoid duplication and/or incorrect analysis requests. To reduce analytical costs, composite samples were taken on waste oil samples since all waste oil is combined at DRMO. The first day of the survey was devoted to organizing the equipment for efficient daily deployment, safety and sampling procedure training for all personnel and refining a comprehensive work plan. The next 5 days were spent on the actual sampling. An outbriefing was provided to Col Creighton, 21 TFW/CC, on the final day of the survey.

Sampling Strategy

The purpose of this survey was to determine if wastes generated at all industrial processes are hazardous according to guidance under the Resource Conservation Recovery Act (RCRA). The 4 characteristic tests for hazardous wastes are ignitability, corrosivity, reactivity, or toxicity characteristic leachate procedure (TCLP) according to Title 40, Code of Federal Regulations (CFR) 261, "Identification and Listing of Hazardous Waste." Analysis required to determine if waste oil can meet recycle specifications under Title 40, CFR 266.40, are major components, flash point, total metals for energy recovery, and total organic halogens (2). Sampling strategies were implemented at Elmendorf AFB in order to adequately and properly identify the contents of each waste stream and drum of unknown material or waste. Each waste stream or drum was either sampled individually or, when feasible, with another drum.

Analytical Results

Located in the appendixes are the analytical results organized and grouped according to building number, raw sample results, key to notations and maximum contaminant concentrations:

Appendix B: Waste Stream Analysis Appendix C: Oil/Water Separators

Appendix D: Unknown Drum Characterization

Appendix E: Key to Notations, Symbols and Abbreviations

Appendix F: Maximum Contaminant Concentrations

Appendix G: Report of Analysis (raw results)

RECOMMENDATIONS

A disposal drum tracking system is needed to prevent drums from being abandoned at collection points without documentation. A number of bases have already established a system to numerically code all drums used in shops for waste storage (hazardous and nonhazardous). The Civil Engineering Squadron at Andrews AFB has an excellent system of tracking drums. An empty drum is first assigned a control number that is recorded by one responsible individual through the use of a master control log. The drum is then issued to the unit hazardous waste monitor for use. After the drum is full of waste, it is taken to the hazardous waste and used oil accumulation point for later disposal. The control number on the drum is verified prior to acceptance. The key to this program is accountability.

REFERENCES

- 1. United States Environmental Protection Agency, Samplers and Sampling Procedures for Hazardous Waste Streams, EPA-600/2-80-018, January 1980.
- 2. Code of Federal Regulations, Title 40, Protection of Environment, Part 261, Identification and Listing of Hazardous Waste, and Part 266, Certain Specific Types of Hazardous Waste Facilities, March 1989.

APPENDIX A

Elmendorf AFB Request Letter With Attachments

DEPARTMENT OF THE AIR FORCE PACIFIC AIR FORCES

FROM: USAF RGN HOSP ELMENDORF/SGPB

24800 HOSPITAL DRIVE

ELMENDORF AFB AK 99506-3700

10 December 1990

SUBJECT: Request for Specialized Hazardous Waste Sampling

1Cincor TO: HO 11AF/SG 71100 90

HQ PACAF/SGPB Mus 19 Der 90 See note below

AFOEHL/EQ

IN TURN

- 1. Provided at Attachment 1 are requests from the Elmendorf AFB. Civil Engineering Squadron requesting hazardous waste analysis for a number of unknown hazardous material containing drums.
- a. The first request addresses five concrete lined drums suspected to contain cyanide.
- b. Request number two addresses hazardous waste characterization of approximately 360 drums containing unknown materials being stored at the base hazardous waste storage facility awaiting disposal.
- 2. Bioenvironmental Engineering has recently assumed all base and remote site hazardous waste stream characterization tasking; however, due to the number of barrels currently in storage requiring sampling and the configuration and the associated hazard posed to sampling personnel by the five suspect cyanide containing drums, assistance from AFOEHL/EOE is requested to expedite sample collection and analysis.
- 3. Provided at Attachment 2 is a cost estimate projection for anticipated 1991 hazardous waste analytical requirements. Full characterization of the 360 unknown drums is considered in the cost estimate. Due to the nature of the five cemented drums, a cost estimate could not be projected.
- 4. Due to Elmendorf AFB's position as the primary hazardous waste receiving and holding point for Alaska, we request this project be given priority to preclude potential enforcement violations and to ensure Elmendorf can continue to receive and dispose of hazardous waste.

5. Please contact me at AUTOVON $317 \pm 552 \pm 5011$ if additional information is requested in support of this project. Your assistance in this is greatly appreciated.

LINDSEY C WATERHOUSE, Maj, USAF, BSC Chief, & Joenvironmental Engineering

2 Atch

1. 21 CSG/DEEV Ltrs of Request

2. SGPB Cost Estimate for Hazardous Waste Monitoring

cc: 21 TFW/CV
21 CSG/DE
21 CSG/DEE
USAF RGN HOSP/SGP
21 CSG/DEEV
AFOEHL/EQE

(NY34:SPECSAM)

5 OCT 1990

FROM: 21 CSG/DEEV

3240

SUBJECT: Request for Sample and Analysis of Containers of Suspected Poison at

FAC 22-009

TO: 11 AF/SGPB

3700

Request you sample and analyze five containers stored at the Elmendorf hazardous waste facility, Bldg. 22-009. The containers are 85-gallon open-headed drums, filled with concrete which surrounds small cylinders containing the substance to be determined. This information was obtained by X-raying the containers. The only evidence of what substance may be inside is the word "cyanide" written on the container. Our POC is Steve Flier, 2-4157.

Shilins R. Reiter. P. E.

Chief, Engineering & Environmental

Planning Branch

4 December 1990

FROM: USAF RON HOSP/SGPB

24800 HOSPITAL DRIVE

ELMENDORF AFB AK 99506-3700

SUBJECT: Hazardous Waste Sampling Costs

TO: 21 CES/DEEV

- 1. Per your request, the following information comprises a cost estimate for hazardous waste sampling analysis for FY 1991. Man-hour and non-disposable equipment costs are not included in the price-out.
- 2. Unknown materials barrels currently stored at the hazardous materials warehouse:

335 to 360 drums

No actual grouping, no definitive sources

Complete analysis required 360 & \$2000 = \$720K

3. Hazardous materials accumulation points:

27 locations
Average of 4 waste streams per location
Estimate 2 complete analysis and 2 partial analysis per location
2 complete @ \$2000 = \$4K, 2 partial at \$1100 = \$2.2k
27 sites @ \$4k + \$2.2K = \$167.4k

4. Estimate of unplanned samples:

Typical 25 per year (tundra mushrooms) Complete analysis required 25 @ \$2000 = \$50k

5. Sampling supplies and incidentals for 493 samples

Sampling tubes and bottles 493 @ \$19 = \$9367 (\$9.4k)
Disposable equipment per 10 samples 50 @ \$55 = \$2750 (\$2.8k)
Shipment 493 @ \$10 = \$4930 (\$5.0k)
Total \$9.4k + \$2.8k + \$5.0k = \$17.2k

6 Totals

Unknowns: \$720.0k
HazWaste \$167.4k
Unplanned \$50.0k
Supplies \$17.2k
Total \$954.6k

Ath

7. If there are any questions concerning this cost estimate please contact Bioenvironmental Engineering at \$52-451/4282.

LINDSEY C. WATERHOUSE, Major, USAF, BSC

(2PC1:WSDOCS:HMSTUF3)

Chief, Moenvironmental Engineering

APPENDIX B

Table 1: Waste Stream Analysis

| SHUP & BLDG | BASE SAMPLE NO. | DATE | ANAL YS IS REQUESTED | MAJOR COMP X | FLASH PT RX | TRX CORR METALS | CORR | T C L P | VOL. | ER TOTAL | | PCB |
|---|-----------------------------|--------|-------------------------|---|-------------|-----------------|----------|--|-----------------------|---|------------------|----------|
| Propulsion 11-110 Print Remover | 67910147 | 910225 | E 3 | Degreaser H ₂ 0 | 99 120 | d | d d | NP NP | dN (Hg/L) | METALS (mg/L) TOX (mg/L) (mg/Kg) Ar = 0.022 | TOX (mg/L) 47 | (mg/Kg) |
| Propulsion 11-110 Carbon Remover | 67910148 | 910225 | TCLP-N MC HTV | H20 Brake Fluid 4 | 43 >200 | ON. | 10.0 | Cd=0.16 Cr=1.1 Pb=0.7 Others=ND | ИР | d. | N.P | N. |
| Propulsion 11-110 Preserve 011 | 61910149 | 910225 | æ | Kerosene Jet Fuel 9 H20 | *108 | Q. | Ş. | d. | dN. | QN | QN | Q. |
| Propulsion 11-110 Brake Fluid | 67910150 | 910225 | 6 | Ethanol 9 H ₂ 0 | 99 689 | dN | d X | d. | Q.K | 0Cd=2.5 Pb=2.3 Others=ND | 53 | Q. |
| Propulsion 11-110 7808 011 | 67910158 | 910225 | ER | PHC >99 | 6 >200 | dx | dN | NP | NP | Pb=1.0 Others=ND | QN | ND |
| Propulsion 11-110 JP-4 Fuei | 67910159 | 910225 | E | PHC >99 | 06* 6 | dx | | d. | dz. | QN | ON | Q. |
| Propulsion 11-110 Mydraulic Fluid | GT910160 | 910225 | ER | Light 011 >99 | 961 6 | d¥. | <u> </u> | dN | N. | Q | ON. | |
| 21 EMS/MAEFC Corr Control 32-050 Paint Waste | G7910152 | 910225 | TCLP-F HTW | Top Layer NEK = 97 H ₂ 0 = 3 Bottom Layer H ₂ 0 = 74 Organic Soil=25 Inorgan Salts=1 | *90 | Q. | . 0. 9 | Pb=1.9 Others=ND | #a=2,400 Others=ND | d. | A | G |
| Notes: * Uacte | * Usets to testing a supply | | | • | | | | | | | | |

* Waste is ignitable, <140⁰F ** Exceeds TOX limits of 4000 ppm # Exceeds TCLP limits # Exceeds ER criteria Full TCLP not performed on 100% organic material that is phased.

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE DATE ANALYSIS MAJOR SAMPLE NO. SAMPLED REQUESTED COMP & | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP \$ | FLASH PT RX | RX CORR | CORR | METALS | 10 C C P | ER TOTAL PCB | , ii | PCB |
|---|--|-----------------|-----------------------|--|-------------|-----------|----------|--------------------------------|--------------|---------------------------------------|----------|---------------|
| Phase Dock Hanger 2 11-570 7808 011 | 67910162 | 910225 | & | PHC 93 Surfactants 7 | | d d | <u>a</u> | | | NO ON | 55 55 | (mg/kg) ND |
| Phase Dock Hanger 2 11-570 Floor Sweep | 61910163 | 910225 | TCLP-M | d H | <u>A</u> | <u>\$</u> | 2 | QN | 2 | Q | d. | d. |
| 21 EMS NDI Hanger 2 11-570 Grn Penetrate | 67910164 | 910225 | ER | Oye >99 Penetrant & Solvent 1 | 185 | dz. | 2 | d¥ | A | Cd = 0.50 Pb = 0.95 Others = ND | 38 | ND |
| 21 EMS NDI Hanger 2 11-570 Emulsifer | 67910165 | 910225 | нти | H ₂ 0 74 Ethylene Glycol 26 | >200 | S. | 6.0 | Q. | A. | dN . | dN | day. |
| 21 EMS NDI Hanger 2 11-570 Developer | 67910166 | 910225 | P.L. | H20 91 Light 011 9 | >200 | S. | 7.0 | Cd=0.20 #Cr=78 Others=ND | 4 A | dN | d | dN |
| 21 EMS NDI Hanger 2 11-570 Magnet Particle | GT910167 | 910225 | 8 | Motor 011 >99 | >200 | 4 | 9 | d _× | A P | 0cd=2.7 Pb=3.8 Others=ND | 2 | NO |
| 43 AMU Hanger 3 11-470 7608 011 | 61910169 | 910225 | ER | PHC 94 Surfactants 6 | >200 | G. | d. | d. | <u> </u> | Pb=0.36 Others=ND | 46 | Q |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANAL YSI | S MAJOR ED COMP \$ | FLASH PT | RX CORR | CORR | T C L P METALS | VOL. V | ER TOTAL | | 828 |
|---|--------------------|-----------------|---------------|--|--------------|----------|----------------|--------------------------|-----------------|----------------|-----------|----------------|
| 21 EMS/MAEFC Corr Control 32-050 Air Filter | 61910174 | 910225 | TCLP-M | | S | d. | d _Z | QN QN | dN. | NP NP | NP (mg/L) | (mg/Kg) |
| 21 EMS/MAEFC Corr Control 32-050 Air Filter | 67910155 | 910225 | TCLP-M | <u>a</u> | d N | A | \$ | ND NP Others=ND | NP Others=ND | d a | g. | AP . |
| 21 EMS/MAEFC Corr Control 32-050 Turco | GT910151 | 910225 | X g | Top Layer Polymers - 51 Bottom Layer H20 = 98 Inorgan Salts=2 | >200 | Q. | € | 2 | A. | d _Z | | ₹ |
| 21 EMS/MAEFC Corr Control 32-050 Enchanolamine | GT9 10153 | 910225 | TCLP-M HTW | Top Layer Motor Dil = 57 Bottom Layer H ₂ O = 63 PAC = 37 | >200 | QX | 11.0 | 11.0 Cd=0.25 Other=ND | g. | ₽ | d d | Z Z |
| 21 EMS/MAEFC Corr Control 32-050 Floor Sweep | GT910157 | 910225 | TCLP-M | 2 | d. | Q | £ | #Cd=1.5 Others=ND | S | d. | d A | d y |
| 21 EMS/MAEFC Corr Control 32-050 Paint Chips | 67910156 | 910225 | TCLP-M | Q. | d. | e | g X | #Cd=12 Others=ND | a. | d. | d. | <u> </u> |
| Phase Dock Hanger 2 11-570 Hydralic Fluid | 67910161 | 910225 | ER | Lube 011 >99 | >200 | <u> </u> | 2 | dN | Q. | Q | 2 | QN |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM | 100 | | | | | | _ | | | | | |
|--|------------|---------|------------------------------------|--|------------------------|-------------|-----------|----------------------|----------------|---|------------|-------|
| SHOP & BLDG | SAMPLE NO. | SAMPLED | DATE ANALYSIS SAMPLED REQUESTED | S MAJOR ED COMP % | FLASH PT RX (deg F) (m | RX | CORR (PH) | METALS (mg/L) | VOL. V. | ER TOTAL PCB | 10v (mc/1) | PCB |
| 43 AMU Hanger 3 11-470 | 67910168 | 910225 | X | Top Layer Solvents >99 | >200 | 92 | ₽ | d ₂ | | QN. | ND (mg/L) | ND ND |
| Hydralic Fluid | | | | Bottom Layer H ₂ 0 >99 | | | - | | - | | | |
| 43 AMU Hanger 3 11-470 Coolant | 61910170 | 910225 | TCLP-F | Top Layer PHC >99 (alkanes) | ,200 ,200 | 9 | 0.9 | Cr=0.80 Others=ND | 4 | dN D | d. | da da |
| | | | | Bottom Layer H ₂ 0 >99 | | | | | | | | |
| 43 AMU Hanger 3 11-470 Floor Sweep | 67910171 | 910225 | TCLP-M | d X | d Z | ₹ | <u> </u> | 9 | d _Z | G.N. | S | 4 A |
| 21 CRS/MACA Avionics 11-120 Cool & Freon | GT910172 | 910225 | æ | Light PHC >99 (alkanes) | >200 | d. | € | NP | d. | Cd=0.50 Pb=0.26 Others=ND | **24K | 2 |
| 21 CRS/MACA Avionics 11-120 Hydralic Fluid | 67910173 | 910225 | 83 | Light PHC 99 (alkanes) Inorganic Salt=1 | >200 | d de | 2 | d | d. | Pb=0.58 Others=ND | **42K | QN. |
| 21 EMA AGE Dispatch 11-290 Motor Dil | G7910176 | 910226 | 8 | Top Layer Motor 011 >99 Bottom Layer H ₂ 0 - 100 | >200 | 2 | 2 | A | <u>a</u> | Cd=0.24 Cr=0.84 Pb=7.2 Others=ND | 160 | 9 |
| 21 EMA AGE Dispatch 11-290 7808 Oil & Hydralic Fluid | GT910175 | 910226 | 8 | Light PHC 95 (alkanes) 5 | 95 >200 | <u>a</u> | <u> </u> | <u>\$</u> | d X | Cr=0.28 Pb=0.75 Others=ND | 130 | Q |
| | | | | | | | 7 | | | | | |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STOCAM | | | | | | | | | | | | |
|--|--------------------|-----------------|---------------------------------|---|-------------------------|-------|------|-------------------------------------|--------|--|------------|----------|
| SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS MAJOR REQUESTED COMP & | | FLASH PT RX CORR METALS | RX | CORR | ETALS | | ER TOTAL | | #J0 |
| 21 TRANS Vehicle Maint 22-900 Antifreeze | GT910185 | 910226 | ICLP-M | ne 01 >99 | >200 | ON ON | 8.0 | (mg/L) | (mg/L) | METALS (mg/L) TOX (mg/L) (mg/Kg) NP NP | TOX (mg/L) | (mg/kg) |
| 21 TRANS Vehicle Maint 22-900 Antifreeze | 67910186 | 910226 | TCI.P-M HTW | Top Layer LTght 011 >99 Bottom Layer | >200 | â | 0.8 | 2 | Š | · . | d A | 4 |
| 21 TRANS Vehicle Maint 22-900 PD 680 | 67910187 | 910226 | ER | Light Lube >99 150 | 150 | 2 | £ | £ | 4 | Cd-1.9 Pb-4.6 Others=ND | .9 | 9 |
| 21 TRANS Yehicle Maint 22-900 Oil-UST | 61910108 | 910226 | ER | Motor 011 >99 | 200 | £ | £ | d X | d. | Cd-0.60 Cr-1.6 Pb-20 Other=ND | 066 | MD |
| 21 TFW/LGTM Heavy Equip 32-141 Antifreeze | 61910189 | 910226 | TCLP-F | Top Layer Hotor UIT >99 Bottom Layer Hotor Ethylene Glycol 81 | >200 | 9 | 0.8 | Pb=2.8 h=7.2 Others=ND Others=ND | | 2 | \$ | <u> </u> |
| | | | | | | | 1 | | | | | |
| | | | | | | | | · | | | | _ |

TABLE 1. WASTE STREAM ANAL'SIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO | DATE | DATE ANALYSIS MAJOR | MAJOR | FLASH PT RX CORR | RX | CORR | T C L P METALS | 1 C L P | ER TOTA! | | 936 |
|---|-------------------|--------|---------------------|--|------------------|----------------|----------|-------------------|-----------|--------------------------------|------------|---------|
| 21 TFW Heavy Fouth | 61910190 | 910226 | TCLP-F | اغ | (deg F) | (mg/Kg) | E & | | (mg/L) | METALS (mg/L) | TOX (mg/L) | (mg/kg) |
| 32-141 | | | | ueyreaser >99 | | | | Pb=2.0 | Others=ND | | È | È |
| 0 | | | | Bottom Layer H ₂ D = 95 Light Spirits=5 | | | | | | | | |
| 21 TFW Heavy Equip 32-141 | 61910191 | 910226 | TCLP-M | Top Layer Petro 011 >99 | >200 | å Z | <u>a</u> | S. | dN | d _X | d.N | NP |
| Floor Sweep | | | | Bottom Layer H ₂ 0 Ethylene Glycol = 29 Petro Hydrocarbon=6 | | | | | | | | |
| 21 TFW Heavy Equip 32-141 PD 680 | G7910192 | 910226 | & | Light Lube >99 152 | 152 | <u>e</u> | <u>Q</u> | d _N | 4 | Cd=0.25 Pb=5.3 Others*ND | 57 | 9 |
| 21 TFW Heavy Equip 32-141 Fuel & Ofl | GT910193 | 910226 | 3 | Degreaser 99 H20 1 | 115 | d y | 9 | d. | d. | Q | 9 | QN |
| 21 TFW Heavy Equip 32-141 Fuel & Water | 67910194 | 910226 | TCLP-F HTN | Top Layer Degreaser >99 Bottom Layer H ₂ 0 = 100 | 176 | QN. | 7.0 | ND | #a=2,400 | Q. | ā. | Q. |
| 21 TFW Heavy Equip 32-141 Fuel & Water | G7910195 | 910226 | TCLP-F | Top Layer Degreaser >99 Bottom Layer H20 Begreaser = 13 | 06* | Ş | 6.0 | Q | G. | 2 | ₽ | d d |
| | | | | | | | | | | | | |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | DATE ANALYSIS SAMPLED REQUESTED | MAJOR COMP 1 | FLASH PT RX | RX CORR | ORR | METALS | VOL. | ER TOTAL PCB | | PCB |
|---|--------------------|-----------------|------------------------------------|---|-------------|--------------|----------------|----------------------|--------------------|--|----------------|---------|
| 21 TFW Heavy Equip 32-141 | GT910227 | 910228 | | Top Layer Motor 011 >99 | >200 | Q. | 6.0 | Cd=0.10 Others=ND | ND ND | NP (mg/L) | NP (mg/L) | (mg/Kg) |
| Waste Of? | | | | Bottom Layer H ₂ 0 = >99 | | | | | | | | |
| 21 EMS/MAEG AGE 32-127 | GT910196 | 910226 | TCLP-F | Top Layer Motor 01T >99 | >200 | G. | 2 | ON. | #a=13 Others=ND | N. | 9 | dN |
| Antifreeze | | | | Bottom Layer H20 = 65 Ethylene Glycol 6 | | | | | | | | |
| 21 EMS AGE 32-127 7808 011 | 67910197 | 910226 | SS SS | PHC >99 (Kerosene/Jet Fuel) (light lube oil) | >200 | & | <u>&</u> | d ₂ | ₫. | Cd = 2.7 Cr = 0.48 Pb = 5.1 | 9 | Q |
| 21 EMS AGE 32-127 Hydralic Fluid | 61910198 | 910226 | ER | PHC >99 (alkanes) | 683 | <u>\$</u> | 2 | d _A | 축 | Cd = 0.28 Pb = 3.7 Others=ND | 35 | Q. |
| 21 EMS AGE 32-127 Waste 011 | 61910199 | 910226 | E | Top Layer Motor Dil >99 Bottom Layer H20 = 100 | > 200 | <u> </u> | 2 | ₫. | Ş. | Cd = 0.48 Cr = 1.0 Pb = 2.4 Others=ND | 67 | QN |
| 21 EMS AGE 32-127 Paint Filters | 61910200 | 910226 | TCLP-M | d. | £ | <u>a</u> | <u>\$</u> | S | <u>\$</u> | G. | d _N | d d |
| 21 EMS AGE 32-127 Floor Sweep | GT910201 | 910226 | TCLP-M | Q. | <u>\$</u> | ₽ | d _N | Q. | 4 | A | d. | Ž. |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| ER TOTAL PCB | 86 ND | dw dw | 190 ND | 140 ND | 310 ND | dN dN |
|--|--|--|--|--|--|--|
| ER TOTAL | METALS (mg/l Cd = 0.24 Pb = 1.1 Others=ND | Z | Cd = 0.72 Cr = 0.76 Pb = 42 Others=ND | Cd = 1.1 Cr = 2.8 Pb = 59 Others=ND | Cd = 2.5 Cr = 2.9 Pb = 74 Others=ND | g. |
| 10 L P | NP NP | # = 12.7 # h = 1.2 Others = ND | dx | d X | <u>a</u> | QN |
| METALS | | Cd = 0.24 Cr = 0.56 PPb = 26.2 Others = ND | A. | S S | d X | QN |
| CORR | d dy | 2 | ≜ | 2 | £ | d X |
| RX CORR | NP NP | 2 | dN | g. | Z. | d. |
| FLASH PT | >200 | > 200 | >200 | >200 | 170 | >200 |
| MAJOR ED COMP S | Motor 011 >99 | lop Layer Notor Oll >99 Bottom Layer H Ethylene Glycol 33 | Motor 011 >99 | Motor 011 >99 | Motor 011 99 H20 1 | Top Layer HyD PAC 2 Bottom Layer HyD Organic Soll 6 |
| ANALYSIS REQUESTED | <u>م</u> | TCLP-F | E8 | ER | ER | TCLP-F |
| DATE SAMPLED | 910226 | 910226 | 910226 | 910226 | 910226 | 910226 |
| BASE DATE ANALYSIS SAMPLE NO. SAMPLED REQUESTE | G7910203 | 67910204 | G7910205 | 61910206 | GT91020 <i>7</i> | 67910208 |
| WASTE STREAM SHOP & BLDG | 21 CSG/SS Recreation 32-079 Lube 011 | 21 CSG Auto Hobby 21-200 Antifreeze & Hydralic Fluid | 21 CSG Auto Hobby 21-200 Hydralic Fluid | 21 CSG/SS Auto Hobby 21-200 Maste Crank 011 | 21 CSG Auto Hobby 21-200 PD 680 | 21 CSG Auto Hobby 21-200 Paint Waste & Water |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANALYSIS MAJOR REQUESTED COMP 1 | MAJOR COMP 1 | FLASH PT | RX CORR METALS | CORR | T C L P METALS | 1 C L P | ER TOTAL | | PCB |
|---|--------------------|-----------------|------------------------------------|------------------------------------|----------|----------------|----------------|---------------------|----------|---|-----------|-------|
| 1930 CS SATCOM Power Pro 8-140 Antifreeze | 67910209 | 910256 | TCLP-F | 9. C | >200 | dN | d. | Pb=0.8 Others=ND | ND WD | NP (mg/L) | NP (mg/L) | NP NP |
| 1930 CS SATCOM Power Pro 8-140 PD 680 | G7910210 | 910226 | | Light 011 99 H20 1 | 695 | <u>4</u> | d _Z | 2 | S | Cd = 0.60 Pb = 3.3 Others=WD | Q | QN |
| 1930 CS SATCOM Power Pro 8-140 Light 011 | GT910211 | 910226 | TCLP-M HTW | H20 34 Ethylene Glycol 66 | >200 | 2 | 7.0 | Q. | A | g Z | 4 | d. |
| 1930 CS SATCOM Power Pro 8-140 011 Multi | GT910212 | 910226 | æ | Motor 011 98 H ₂ 0 2 | >200 | S S | ď | 2 | S | Cd = 0.36 Pb = 9.5 Others=ND | QN. | Q |
| 1930 CS SATCOM Power Pro 8-140 Lube 911 | GT910213 | 910226 | X | Motor 011 >99 | >200 | d≥ | d¥ | d. | dN . | Cd = 0.56 Cr = 0.92 Pb = 6.3 Others=ND | ND | 9 |
| Hospital Plant Mgt 24-800 Ethyl Alcohol | G7910214 | 910227 | HTW | H20 11 Ethylene Glycol 89 | *110 | QN | 5.0 | Q | Q. | d X | ₹ | Q. |

TABLE 1. WASTE STREAM ANALYSIS (Cont.)

| WASTE STREAM SHOP & BLDG | BASE DATE ANALYSIS SAMPLE NO. SAMPLED REQUESTED | DATE SAMPLED | ANALYSIS REQUESTED | MAJOR COMP \$ | FLASH PT | RX (ma/Ka) | CORR | METALS | VOL. | ER TOTAL | | PCB |
|--|--|-----------------|-----------------------|--|------------------|---------------|----------------|------------------------|------|---|-----------|-------|
| Hospital Plant Mgt 24-800 Xylene | GT910215 | 910227 | P. H | H ₂ 0 3 Xylene 97 | *95 | QN. | 5.0 | Cd = 0.82 Others=ND | dN | NP MP | NP (mg/L) | NP NP |
| 962 ANACS AGE 42-300 Hydralic Fluid | G7910216 | 910227 | AC T | Top Layer NS PAC | ×99 ×190 ×99 ×99 | GN. | 7.0 | WD | A A | d. | NP NP | A.P |
| 962 AWACS AGE 42-300 JP-4 Fuel | GT910217 | 910227 | NTH | Top Layer yer (alkanes) Bottom Layer ye | *97 *99 | QN QN | 5.0 | Cd=0.24 Others=ND | Ž. | A | Ž | d. |
| 962 AWACS AGE 42-300 7808 011 | GT910218 | 910227 | ER | PHC 7 Surfactants 2 | 21 >200 | g X | £ | d. | d | Cd=0.22 Pb=0.35 Others=ND | QN | Q |
| 962 AWACS AGE 42-300 011 30 Wt | 61910219 | 910227 | ER | Motor 011 >5 | >99 >200 | d. | 2 | d. | d. | Cd=0.24 Cr=0.80 Pb=2.3 Others=ND | 230 | ND |
| Aero Club 32-209 Waste Acft Oil | 67910228 | 910228 | ER | рнс » | >99 >200 | NP | d g | da. | KP | Cd=0.24 Cr=9.8 Pb=0.35 Others=ND | 610 | QN |

APPENDIX C

Table 2: Oil/Water Separator (Sludge) Analysis

TABLE 2. OIL AND WATER SEPARATOR (SLUDGE) ANALYSIS

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANAL YSIS REQUESTED | MAJOR COMP % | FLASH PT (deg F) | RX (mg/Kq) | CORR (DH) | METALS | 7 C L P VOL |
|----------------------------------|--------------------|-----------------|------------------------------|--|---------------------|---------------|--------------|---------------------------------|---------------------|
| 21 EMS AGE Maint 32-127 | 65910202 | 910226 | TCLP-F HTW | Top Layer Light DiT >99 |) | | | QN | ND ON |
| | | | | Bottom Layer Water Inorganics 27 Heavy Gel 24 | | | | | |
| 962 AWACS AGE Maint 42-300 | 65910221 | 910227 | TCLP-F HTW | Top Layer H20 >99 | >200 | G. | 7.0 | Pb=0.88 Others=ND | QN |
| | | | | Bottom Layer H20 Inorganic Salt 8 Heavy Gel 31 | | | | | |
| 616 APS TROS 42-525 | 6S910222 | 910227 | TCLP-F HTW Ignit MC | Top Layer 97 H70 97 PAC 3 | >200 | dX | d X | Cd=0.14 Hg=0.04 Others=ND | g=0.23 Other=ND |
| | | | | Bottom Layer H70 Organic Soil 14 Inorganic Salts 4 | | | | | |
| ARMY CORPS 21-849 | 6S910223 | 910227 | TCLP-F HTW Ignit | Top Layer Hyd PAC 011 95 | >200 | dX | d. | Q | g=0.29 Others=ND |
| | | | | Bottom Layer 60 H20 Ofganic Soil 38 Inorganic Salts 2 | | | | | |

Notes: * Waste is ignitable, <140°F

** Exceeds TOX limits of 4000 ppm

Exceeds TCLP limits

@ Exceeds ER criteria
Full TCLP not performed on 100% organic material that is phased.

TABLE 2. OIL AND WATER SEPARATOR (SLUDGE) ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANAL YSIS REDIECTED | MAJOR | | | CORR | T C L P METALS | 7 C L P |
|---------------------------------------|--------------------|-----------------|------------------------|--|------|-------|------|---------------------|---------------------|
| HAZ WAS Storage Facility 22-009 | 4 | | | rer STT 95 | >200 | NP NP | T | Ş | a=0.52 h=0.009 |
| _ | | | | Middle Layer H20 100 | | | | | Others=ND |
| | | | | Bottom Layer Light Oil Crgmic Soil 37 Inorganic Salts 13 H20 | | | | | |
| Engine Shop 11-130 | 6S910225 | 910227 | TCLP-F HTW | H ₂ 0 Inorganic Soil 60 Organic Soil 23 PHC | >200 | d. | 9 | Cd=2.4 Others=ND | g=0.32 Others=ND |
| 21 CES Fire Station #3 24-856 | 6S910226 | 910227 | TCLP-F HTW | Top Layer H20 >99 | >200 | d. | ₽. | QN | g=0.32 Others=ND |
| | | | | Bottom Layer 21 85i1 26 PHC 2 Inorganic Salts 51 | | | | | |
| 43 AMU Hanger 3 11-670 | 65910234 | 910228 | TCLP-F HTW | Water Diesel/Jet Fuel Inorganic Salts 45 | >200 | Q | 7.0 | Q. | a=0.08 |
| Hanger 5 32-060 | 6S910235 | 910228 | TCLP-F HTW | H ₂ 0 Motor Oil 1 Inorganic Salts 26 Inorganic 30 Sludge 30 | 2002 | Q. | 9.0 | ON | QN |
| | | | | ¥ | | | 1 | | |

TABLE 2. OIL AND MATER SEPARATOR (SLUDGE) ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE SAMPLED | ANAL YSIS REQUESTED | MAJOR COMP \$ | FLASH PT (deg F) | RX (mg/Kg) | CORR | T C L P METALS (mo/l) | 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
|---------------------------------|--------------------|-----------------|------------------------|---|---------------------|---------------|------|-----------------------------|---|
| 21 CES Snow Remove 32-187 | 65910236 | 910228 | TCLP-F HTW | 70 70 70 70 70 70 70 70 70 70 | | | 10.0 | ND ND | OND CALLED |
| 32-209 | 65910237 | 910228 | TCLP-F HTW | H ₂ 0 >99 | >99 >200 | QN | 6.0 | QN | #a=36 #h=5.0 #i=8.6 Other=ND |
| 21 CRS Hush House | 65910238 | 910228 | TCLP-F HTW | H ₂ 0 Phc Paint Resins 17 Inorganic 48 | >200 | QN | 7.0 | QN | QN |
| Body Shop 31-324 | 6S910239 | 910228 | TCLP-F HTW | H ₂ 0 Organic Soil 26 Inorganic Salts 33 | >200 | QN | 7.0 | , | #a=12 Other=ND |
| 54 AMU Hanger 1 11-670 | GS910240 | 910228 | TCLP-F HTW | H ₂ 0 Organic Soil 36 Inorganic Material 52 | >200 | QN | 7.0 | QN | 9 |
| · | | | | | | | | | |
| | | | | | | | | 1 | |
| | | | | | | | | | |
| | | | | | | | | | |

APPENDIX D

Table 3: Unknown Drum Characterization Analysis

* Waste is ignitable, <140⁰F ** Exceeds TOX limits of 4000 ppm # Exceeds TCLP limits @ Exceeds ER criteria Full TCLP not performed on 100% organic material that is phased.

No tes:

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| ER TOTAL PCB PCB | d Z | S | S | · dN | <u>a</u> | A | QX |
|--|-----------------------|----------------------------|--|---------------------------------|---------------------------------|---|-----------------------|
|)TAL S (mg/1) T() | dR. | A N | \$ | N N | Ž. | <u>8</u> | 9 |
| ER T | G _E | <u> </u> | 8 | d y | d Z | ₹ | 皇 |
| (mg/L) 70k 70 L P | *#a=300 Other=ND | #a=26 #h=20 Other=ND | 9 | g X | dN | #b=15 #h=78 Other=ND | d. |
| METALS (mg/L) | QN | 2 | 9 | Q | QX | Cd=0.32 Other=ND | d A |
| CORR (PH) | 6.0 | 6.0 | 6.0 | 10.0 | 9.0 | 6.0 | 4 |
| RX CORR METALS (mg/Kg) (pH) (mg/L) | Q | Q. | Q | QN. | QN | Q. | g. |
| FLASH PT (deg F) | *85 | 93 >200 | >200 | >200 | >200 | *120 | >99 >200 |
| | 66 < | 93 | 9 8 % eV | 1 99 | 66 1 | 94 94 | , 99 |
| S MAJOR ED COMP & | Kerosene/ Jet Fuel | Heavy Oil Surfactants | Top Layer Med Dily Sludge Surfactants H ₂ 0 Bottom Layer H ₂ 0 | H20 Inorganic Salts | H20 Inorganic Salts | Top Layer Motor 011 H ₂ 0 Bottom Layer H ₂ 0 PAC | Motor 011 |
| ANAL YS IS REQUESTED | TCLP-F HTV | TCLP-F HTW | HTW HTW | ATH. | WTW | TCLP-F HTW | ER |
| DATE ANALYSI SAMPLED REQUEST | 910301 | 910301 | 910301 | 910301 | 910301 | 910301 | 910301 |
| BASE SAMPLE NO. | GT910248 | 67910249 | 67910250 | 6C910251 | GT910252 | 67910253 | 67910254 |
| LOCATION SHOP & BLDG | Hanger 1 11-670 | Hanger 1 11-670 | Hanger 1 11-670 | 21 CES Power Plant 22-004 | 21 CES Power Plant 22-004 | 21 CES Power Plant 22-004 | 21 CES Power Plant |

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| LOCATION | BASE | | DATE ANALYSIS | MAJOR | FLASH | PT RX | CORR | T C L P | T C L P | FR TOTA! | | a Ja |
|---------------------------------|------------|--------|---------------|---|---------------------|----------------|------|---------------------|-----------------------|---------------------------|----------------|------------|
| | SAMPLE NO. | | \sim \sim | COMP % | (deg F) | (mg/K | (E) | (mg/Kg) (pH) (mg/L) | (mg/L) | METALS (mg/L) TOX (mg/Kg) | TOX (mg/L) | (mg/Kg) |
| 21 CES Power Plant 22-004 | 60910255 | 910301 | TCLP-F HTW | Top Layer Motor Oil > | >99 | 9 | 8.0 | Pb=2.0 Other=ND | #a=2,200 #f=1,100 | Q. | Q. | ď |
| | | | | Bottom Layer H ₂ 0 PAC | 37 | ······ | | | Other=ND | | | |
| 21 CES Power Plant 22-004 | GT910256 | 910301 | ER HTW | Motor Oil >9 | >99 >200 | ₹ • | 2 | d. | d N | QN | 100 | Q. |
| 21 CES Power Plant 22-004 | GT910257 | 910301 | TCLP-F HTW | | >99 | S | 9.0 | Q | #h=1,100 Others=ND | dN | NP | dN |
| | | | · | Bottom Layer H ₂ 0 | 100 | | | | | | | |
| 21 CES Power Plant 22-004 | 67910258 | 910301 | HTW | H ₂ 0 Hydrochloric Acid Inorganics | 67 >200 32 1 | g | 4 | Q N | d N | , da | dN | d A |
| 21 CES Power Plant 22-004 | 61910259 | 910301 | HTW | H ₂ 0 Phosphoric Acid Inorganics | 73 >200 24 3 | QN | □ □ | ND | dN | QN. | dN | ₽ d¥ |
| 21 CES Power Plant 22-004 | 61910260 | 910301 | TCLP-F HTW 1 | Top Layer Motor 011 >9 Bottom Layer H ₂ 0 >9 | ×99 ×200 | Q _N | 6.0 | ND | Q N | QX | d. | d y |
| 21 CES Power Plant 22-004 | 67910261 | 910301 | MTH | 1 1 | >99 *124 | Q | = | ND | NP | NP | d _N | A.P |

TABLE 3. UNKNOWN DRUM CHARACTERIZATION ANALYSIS (Cont.)

| LOCATION SHOP & BLDG | BASE SAMPLE NO. | DATE | DATE ANALYSIS SAMPLED REDUESTED | MAJOR COMP & | FLASH PT | RX CORR METALS | CORR | | | ER TOTAL | | 858 |
|--|-----------------------------|--------|------------------------------------|---|--------------------|----------------|------|---------------------------------------|--------------------|---|-------------|----------------|
| 21 CES Power Plant 22-004 | G1910262 | 910301 | | 111 >99 | >200 | NP NP | d dx | | (mg/L) | RETALS (mg/L) TOX (mg/L) (mg/Kg) Cr=0.35 NO ND Other=ND ND ND | NO (mg/L) | (mg/kg) ND |
| 21 CES Power Plant 22-004 | 61910263 | 910301 | HTM | H,0 B1 | 81 >200 | QN. | 12 | QN | d. | dN. | NP | d. |
| 21 CES Power Plant 22-004 | G1910264 | 910301 | TCLP-F HTW | 1,1,1 98 >200 Trichloroethane H ₂ 0 2 | >200 | ND | 7.0 | 9 | #h=300 Other=ND | 9 | d.N | d. |
| 21 CES Power Plant 22-004 | GT910265 | 910301 | AL | H ₂ 0 67 PRC 32 Inorganics 1 | 67 >200 32 1 | QN | 9.0 | Q. | d _N | S _Z | Q. | d. |
| 21 CES Power Plant 22-004 | 61910266 | 910301 | TCLP-F HTW | Top Layer Motor 017 >99 Bottom Layer | *124 | ND | 0.9 | ON. | 9 | Z. d. | d. | d x |
| | | | | H ₂ 0 90 | | | | | | | | |
| 21 CES Power Plant 22-004 Degrease Electr | GT910183 Drum # 27,101, 102 | 910226 | TCLP-F | Top Layer Motor 017 >99 Bottom Layer H ₂ 0 100 | *137 | QN | 9.0 | Hg=0.020 a=6.6 Others=ND Others=ND | a=6.6 Others=ND | da da | N P | AP. |
| 21 CES Power Plant 22-004 Monophine | G1910184 Drum # 28 | 910226 | 1CLP-F | Top Layer Motor UTT >99 Bottom Layer H20 Brake Fluid 89 | •100 | ON ON | 9.0 | QN | Q. | KP | 2 | & & |
| | | | | | | | | | | į | | |

$\label{eq:APPENDIXE} \textbf{Key to Notations in Tables 1, 2 and 3}$

KEY TO ALPHABET NOTATIONS, ELEMENT SYMBOLS AND ABBREVIATIONS IN TABLES 1, 2, AND 3

Denotes TCLP Volatiles, Metal Analytes, Energy Recovery Metals:

| Alphabet | VOC Analyte | Limits of Detection | (mg/Kg) |
|----------|-----------------------|---------------------|--------------|
| a | Benzene | 8.0 | |
| b | Carbon Tetrachloride | 7.5 | |
| С | Chlorobenzene | 6.5 | |
| d | Chloroform | 9.0 | |
| e | 1,2-Dichloroethane | 12.0 | |
| f | 1,1-Dichloroethylene | 6.0 | |
| g | Methyl Ethyl Ketone | 19.0 | |
| h | Tetrachloroethylene | 7.5 | |
| i | Trichloroethylene | 6.5 | |
| j k | Vinyl Chloride | 8.5 | |
| k | o - Cresol | 200.0 | |
| 1 | m - Cresol | 200.0 | |
| m | p - Cresol | 200.0 | |
| n | 1,4 - Dichlorobenzene | 7.5 | |
| 0 | 2,4 - Dinitrotoluene | 0.13 | |
| р | Hexachlorobenzene | 0.13 | |
| q | Hexachloro-1-3-butadi | ane 0.5 | |
| r | Hexachloroethane | 3.0 | |
| s | Nitrobenzene | 2.0 | |
| t | Pentachlorophenol | 100.0 | |
| u | Pyridine | 5.0 | |
| V | 2,4,5-Trichlorophenol | 400.0 | |
| W | 2,4,6-Trichlorophenol | 2.0 | |

| Element Symbol | Metal Analyte | |
|----------------|---------------|--|
| Ar | Arsenic | |
| Ва | Barich | |
| Cr | Chromium | |
| Cd | Cadmium | |
| Pb | Lead | |
| Se | Selenium | |
| Ag | Silver | |
| Нg | Mercury | |

MC: Major Components

FP: Flash Point

HTW: Hazardous Toxic Waste

RX: Reactivity

ER: Energy Recovery

TOX: Halogens

CORR: Corrosivity

VOL: Volatile

TCLP-F/M: Toxicity Characteristic Leachate Procedure-Full/Metal

PHC: Petroleum Hydrocarbon Oil

MEK: Methyl Ethyl Ketone

ND: None Detected (below detection limits)

NP: Not Performed

APPENDIX F Maximum Contaminant Concentrations

MAXIMUM CONTAMINANT CONCENTRATIONS FOR TOXICITY CHARACTERISTIC WASTES

| Waste Stream Constituent | Concentration (milligrams/liter) | EPA HW No. |
|-----------------------------|----------------------------------|-------------|
| | | |
| * Arsenic | 5.0 | D004 |
| * Barium | 100.0 | D005 |
| Benzene | 0.5 | D018 |
| * Cadmium | 1.0 | D006 |
| Carbon Tetrachloride | 0.5 | D019 |
| Chlorodane | 0.03 | D020 |
| Chlorobenzene | 100.0 | D021 |
| Chloroform | 6.0 | D022 |
| * Chromium | 5.0 | D007 |
| Cresol | 200.0 | D026 |
| m - Cresol | 200.0 | D024 |
| o - Cresol | 200.0 | D023 |
| p - Cresol | 200.0 | D025 |
| * 2,4-D | 10.0 | D016 |
| 1,4 - Dichlorobenzene | 7.5 | D027 |
| 1,2-Dichloroethane | 0.5 | D028 |
| 1,1-Dichloroethylene | 0.7 | D029 |
| 2,4-Dinitrotoluene | 0.13 | D030 |
| * Endrin | 0.02 | D012 |
| Heptachlor | 0.008 | D031 |
| Hexachlorobenzene | 0.13 | D032 |
| Hexachlorobutadiene | 0.5 | D033 |
| Hexachloroethane | 3.0 | D034 |
| * Lead | 5.0 | D008 |
| * Lindane | 0.4 | D013 |
| * Mercury | 0.2 | D009 |
| * Methoxychlor | 10.0 | D014 |
| Methyl Ethyl Ketone | 200.0 | D035 |
| Nitrobenzene | 2.0 | D036 |
| Pentachlorophenol | 100.0 | D035 |
| Pyridine | 5.0 | D038 |
| * Selenium | 1.0 | D010 |
| * Silver | 5.0 | D011 |
| * 2,4,5-TP (Silvex) | 1.0 | D017 |
| Tetrachloroethylene | 0.7 | D039 |
| * Toxaphene | 0.5 | D015 |
| Trichloroethylene | 0.5 | D040 |
| 2,4,5-Trichlorophenol | 400.0 | D041 |
| 2,4,6-Trichlorophenol | 2.0 | D042 |
| Vinyl Chloride | 0.2 | D043 |

^{*} Note: Extraction procedure for toxic wastes; TCLP must now be utilized for characterizing these wastes

APPENDIX G
Report of Analysis (raw results)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910147 OEHL SAMPLE NO: 91010961

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EFA Method |
|--------------------------|---------|--------------|------------|
| | | % | |
| Total organic halides | .047 | ~ | 1010 |
| Flash Point (closed cup) | 120 | degrees F | 1910 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclar 1230 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mq/kq | |
| Aroclar 1254 | <1.0 | mg/kg | |
| Aroclar 1260 | <1.0 | mg/kg | |
| Arsenic | 0.022 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mq/L | 3010/2130 |
| Chromium | <0.25 | mq/L | 3010/7190 |
| Lead | 0.70 | mq:/L | 3010/7420 |
| Barium | <0.5 | mg/L | 3010/7080 |
| Mercury | <0.01 | mg/L | 7470 |
| Selenium | <0.02 | mg/L | 3020/7740 |
| Silver | <0.05 | mg/L | 3010/2760 |
| Major components | SN | | |

Major components

511

SN : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBON (DEGREASER) AND 1% WATER. Signifies none detected and the detection limits.

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1(Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910147

OEHL SAMPLE NO: 91010961

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MEqt, USAF NCGIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910149 DEHL SAMPLE NO: 91010963

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|----------------------|-------------------|--------------|
| Flash Point (closed cup) | 108 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | ma/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead Total organic halides Mercury | <0.25 <0.03 NP | mg/L % mg/L | 7470 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Barium | NP | mg/L | 3010/7080 |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

ALZOEBE BROOKS AFB TX 78235-5000 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910149

OEHL SAMPLE NO: 91010963

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910931

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPE

RESULTS

Test

Results Unite EPA Method

Comments:

SAMPLE IS 96% PETROLEUM HYDROCAPBON (KEROSENE/JET FUEL) AND 4% WATER. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt. USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910148

OEHL SAMPLE NO: 91010962

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGH HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides | >200 SINC <0.5 <10.0 0.16 1.1 0.7 <0.02 <0.1 <0.5 10.0 <2.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1610 1110 3020/7060 3010/7090 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 50 846 SEC 8.3 |
| | | | |

Major components SN

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 57% WATER AND 43% DIETHYLENE GLYCOL POLYHLKYLENE ETHERS (BRAKE FLUID).

Signifies none detected and the detection limits.

TO:

AL DEBE BROOKS 4FB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910148

OEHL SAMPLE NO: 91010962

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910150

DEHL SAMPLE NO: 91010964

SAMPLE TYPE: WASTE, HAZAPDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|--|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic | 0.05 89 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | % degrees F mg/kg | 1010 3020/7060 |
| Cadmium Chromium Lead Barium Mercury Selenium Silver | 2.5 <0.25 2.3 NP NP NP | mg/L mg/L mg/L mg/L mg/L mg/L | 3010/7130 3010/7190 3010/7420 3010/7080 7470 3020/7740 3010/7760 |
| Major components | SN | | |

SN : See comment.

NP : Test Not Performed

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1/Contide

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910150

OEHL SAMPLE NO: 91010964

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPS

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS 99% ETHANOL AND 1% WATER. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910151

DEHL SAMPLE NO: 91010965

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units

EPA Method

Flash Point (closed cup) \Rightarrow 200 degrees F 1010

Major components

SN

SN : See comment.

Comments:

SAMPLE IS (TOP 80%) 51% POLYMERS. (BOTTOM 20%) 98% WATER AND 2% INORGANIC MATTER.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

TO:

AL DEBE

BROOKS AFB T: 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152 DEHL SAMPLE NO: 91010966

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HUSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Flash Point (closed cup) | 90 | degrees F | 1010 |
| Corrosivity | SINC | • | 1110 |
| Arsenic | <0.5 | mg L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3018/F130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | 1.9 | mg√L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | < 0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 346 SEC 3.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | 2400 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | ⟨5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Creso! | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Hexachlorobenzene | < 10 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Methyl Ethyl Ketone | < 100 | mg/L | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

PAGE 1/Eantide

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152 OEHL SAMPLE NO: 91010966

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS.

| <u>Test</u> | Pesults | Units | EPA Method |
|-----------------------|---------|-------|------------|
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | 10.0 | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Chlordane | 11P | mg/L | |
| 2,4-D | ИP | mg/L | |
| Endrin | ИP | mg/L | |
| Heptachlor | NP | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Toxaphene | NP | mg/L | |
| Silvex | NP | mg/L | |

SINC : Sample is not corrosive.

NP : Test Not Performed

Comments:

SAMPLE IS (TOP 80%) 97% MEK AND 3% WATER. (BOTTOM 20%) 74% WATEP, 25% ORGANIC SOIL (HUMIS) AND 1% INORGANIC SALTS. \le - Signifies none detected and the detection limits.

PAGE 2(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910152

OEHL SAMPLE NO: 91010966

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: M/10

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910153 DEHL SAMPLE NO: 91010967

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910303

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides | >200 SINC <0.5 <10.0 0.25 <0.5 <0.05 <0.02 <0.1 <0.5 11.0 <2.0 <10.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | g. L | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) 100% PETROLEUM HYDROCARBONS (MOTOR DIL). (BOTTOM 95%) 63% WATER AND 37% PETROLEUM HYDROCARBONS (EMULSIFIED). Signifies none detected and the detection limits.

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1/Contidi

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910153

OEHL SAMPLE NO: 91010967

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: My

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF AMALYSIS

BASE SAMPLE NO: GT910155

OEHL SAMPLE NO: 91010968

SAMPLE TYPE: MASTE, HAZAROOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Unitā</u> |
|----------|---------|--------------|
| Hrsenic | <0.5 | mq/L |
| Barium | <10.0 | mg/L |
| Cadmitum | < 0.1 | mg/L |
| Chromium | < 0.5 | mg/L |
| Lead | < 0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | < 0.1 | mg/L |
| Silver | < 0.5 | mg/L |

Comments:

 Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: _///

Michael J. Wantland, MSqt, USAF NCDIC Technical Operations Branch

TO:

Dat o AL ED BP00KS AF9 TX 78235-5000

PHSE 1

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910156

OEHL SAMPLE NO: 91010269

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | <u>Pesults</u> | <u>Units</u> |
|----------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 12 | mg/L |
| Chromium | < 0.5 | mg/L |
| Lead | < 0.5 | mg∠L |
| Mercury | <0.02 | mg L |
| Selenium | < 0.1 | mg∠L |
| Silver | 0.5 | mg∠L |

Comments:

 Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: _

Michael J. Wantland, MSqt. USHF NEGIC Technical Operations Branch

TO:

Det A ALTER BROOKS HEB IX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910157

DEHL SAMPLE NO: 91010970

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units |
|----------|---------|-------|
| Arsenic | < 0.5 | mg/L |
| Barium | <10.0 | mq/L |
| Cadmium | 1.5 | mq/L |
| Chromium | < 0.5 | mq/L |
| Lead | <0.5 | mq/L |
| Mercury | <0.02 | mq/L |
| Selenium | <0.1 | mg∠L |
| Silver | <0.5 | mq/L |

Comments:

< - Signifies none detected and the detection limits. All methods conform to those required by SW 946.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

TO:

Det 6 AL /ED BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910158 DEHL SAMPLE NO: 91010971

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | · |
|--------------------------|---------|-------------|------------|
| Test | Results | Units | EPA Method |
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1910 |
| Aroclor 1016 | <1.0 | mgŽkg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclar 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Arocior 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 1.0 | mg/L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS. < - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB | TX 78235-5000 | PAGE 1(Cont d)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910158

OEHL SAMPLE NO: 91010971

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

<u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF

NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910159 OEHL SAMPLE NO: 91010972

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 918225 DATE REPORTED: 918531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---------|----------------|------------|
| Total organic halides Flash Point (closed cup) | | % degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg′kg | |
| Aroclor 1248 | <1.0 | mg∕kg | |
| Aroclor 1254 | <1.0 | mg/kg | 3020/7060 |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chrom:um | <0.25 | mg/L | 3010/7190 |
| Major components | <0.25 | mg /L | 3010×7420 |

Major components SN

5N : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (KEPOSENE/JET FUEL). < - Signifies none detected and the detection limits.

TO:

HL/OEBE

BROOKS AFB TX 78235-5000

PAGE littortidi

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910159

OEHL SAMPLE NO: 91010972

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: MINO

Michael J. Wantland, MSgt, USAF

NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910160 OEHL SAMPLE NO: 91010973

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEHDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|---|---|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | <pre><0.03 198 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0</pre> | degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/k mg/k | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS > 99% LIGHT PETROLEUM HYDROCARBON OIL. Signifies none detected and the detection limits.

TO:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910160

OEHL SAMPLE NO: 91010973

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: Z

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910161 DEHL SAMPLE NO: 91010974

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EFA Method |
|--|---------------|--------------------|------------------------|
| Total organic halides Flash Point (closed cup) | <0.03 >200 | % | 1010 |
| Aroclor 1016 | <1.0 | degrees F mg/kg | 1010 |
| Aroclor 1221 Aroclor 1232 | <1.0 <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg mq/kq | |
| Aroclar 1248 | <1.0 | mg∕kg | |
| Aroclor 1254 Aroclor 1260 | <1.0 <1.0 | mg/kg mq/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium Chromium | <0.2 <0.25 | mg/L | 3010/7130 3010/7190 |
| Lead | <0.25 | mg/L mg/L | 3010×7420 |

Major components SN

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (LUBE OIL). Signifies none detected and the detection limits.

TO:

AL DEBE BROOKS AFB TX 78235-5000 63 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910161

OEHL SAMPLE NO: 91010974

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910162 DEHL SAMPLE NO: 91010975

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HUSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|---|---|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | 0.05 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.02 <0.25 <0.25 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kkg 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | 142 | | |

65

Major components SN

SN : See comment.

Comments:

SAMPLE IS 93% PETROLEUM HYDROCARBONS AND 7% SURFACTANTS. \leftarrow Signifies none detected and the detection limits.

TU:

ALZOEBE BROOKS AFS TX 78235-5000 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910162

OEHL SAMPLE NO: 91010975

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 1

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Brt ch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910164 OEHL SAMPLE NO: 91010977

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|---------|--|--|
| Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium | | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L | 1010 3020/7060 3010/7170 3010/7190 3010/7420 |

Major components SN

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (DYE PENETRANT AND SOLUENT) AND 1% WATER.

< - Signifies none detected and the detection limits.

Tij:

AL TOEBE BROOKS AFB TX 78235-5000 67 PAGE 1(Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910164

OEHL SAMPLE NO: 91010977

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910165 OEHL SAMPLE NO: 91010978

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---------|--------------|------------------|
| Flash Point (closed cup) Corrosivity | SINC | degrees F | 1010 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg∕L | 3010 /7760 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | mg /L | SW 846 SEC 3.3 - |
| Sulfides | <10.0 | | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 74% WATER AND 26% ETHYLENE GLYCOL. < - Signifies none detected and the detection limits.

TO:

AL DEBE BROOKS AFB TX 78235-5000 69 PAGE 1. Cant'd/

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910165 DEHL SAMPLE NO: 91010978

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by

Michael J. Wantland, MSgt, USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910166 OEHL SAMPLE NO: 91010979

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Unit5</u> | <u>EPA Method</u> |
|---|---|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) | >200 SINC <0.5 <10.0 0.20 78 <0.5 <0.02 <0.1 <0.5 7.0 <2.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 3.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

SN

SN : See comment.

Major components

Comments:

SAMPLE IS 91% WATER AND 9% PETROLEUM HYDROCARBONS (LIGHT DIL). < - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB TX 78235-5000 71 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910166

OEHL SAMPLE NO: 91010979

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u>

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910167 OEHL SAMPLE NO: 91010980

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---------------------------------------|----------------------------------|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 | <0.03 >200 <1.0 <1.0 <1.0 | % degrees F mg/kg mg/kg mq/kq | 1010 |
| Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 | <1.0 <1.0 <1.0 <1.0 | mg/kg mg/kg mg/kg mg/kg | |
| Arsenic Cadmium Chromium Lead | <0.02 2.7 <0.25 3.8 | mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |

Major components SN

SN : See comment.

Comments:

SAMPLE IS >99% PETROLUEM HYDROCARBONS (MOTOR DIL). < - Signifies none detected and the detection limits.

TO:

ALZOEBE BROOKS AFB TX 78235-5000 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910167

OEHL SAMPLE NO: 91010980

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910168

OEHL SAMPLE NO: 91010981

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|---|---|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | <pre>< 0.03 > 200 < 1.0 /pre> | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kc mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Majur components | 311 | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 95%) →99% LIGHT PETROLEUM HYDROCARBONS (SOLVENT). (BOTTOM 5%) >99% WATER.

< - Signifies none detected and the detection limits.</p>

TO:

HL DEBE BROOKS AFB TX 78135-5000 75 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910168

OEHL SAMPLE NO: 91010981

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910169

DEHL SAMPLE NO: 91010982

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/50PB

RESULTS

| Test | Results | Units | EPA Mathod |
|---|--|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | 0.05 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.02 <0.2 <0.25 0.36 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 94% PETROLEUM HYDROCARBONS AND 6% SUPFACTANTS. Signifies none detected and the detection limits.

TO:

AL CEBE BROOKS ARG ITX 78235-5000 77 PAGE 1/Contid)

REPORT OF ANALYSIS

BASE SHMPLE NO: GT910169 OEHL SAMPLE NO: 91010982

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SHMPLE SUBMITTED BY: USAF RGH HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EFA Method

Hnalyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 7

Michael J. Wantland, MSqt, USHF

NEBIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910170 DEHL SAMPLE NO: 91010983

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Mathod |
|---|---|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) | >200 SINC <0.5 <10.0 <0.1 0.80 <0.5 <0.02 <0.1 <0.5 6.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7260 1110 SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 5%) >99% WATER.

< - Signifies none detected and the detection limits.

TO:

ALZOEBE BROOKS AFB TX 78235-5000

PAGE 1 (Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910170

OEHL SAMPLE NO: 91010983

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USHF

NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910172 DEHL SAMPLE NO: 91010985

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

DATE RECEIVED: 910308 SITE IDENTIFIER:

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|--|---|------------------------|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium | 24 2200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L | 3020×70e0 3010×7130 |
| Chrimium Lead Major components | 70.25 0.26 | mg L mg L | 3010/7190 3010 7420 |

54 : See comment.

Comments:

SAMPLE IS 44% LIGHT PETROLEUM HYDROCARBONS (ALKAMES). Signifies none detected and the detection limits.

TO:

REPORT OF ANALYSIS

BASE SHIPLE NO: GT910172

OEHL SHMPLE NO: 91010985

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDOPF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USHF NUBIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173 DEHL SAMPLE NO: 91018986

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---|---|------------------------|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium | A2 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | wnits degrees F mg/kg 3020/7060 3010/7130 |
| Chromium | <0.25 | mg /L | 3010/7190 |
| Lead | 0.53 | mg °L | 3010 47420 |
| M | - | | |

Major components SN

SN : See comment.

Comments:

SAMPLE IS 99% LIGHT PETROLEUM HYDROCARBONS (ALKANES) AND 1% INDRGAMIC SALT.

Signifies none detected and the detection limits.

TO:

AL-DEBE PAGE 1:Cantid:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173

OEHL SAMPLE NO: 91010986

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

<u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MEgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SHMPLE NO: GT910175 DEHL SAMPLE NO: 91010990

SAMPLE TYPE: NASTE, HAZHRDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910571

SAMPLE SUBMITTED BY: USAF RGH HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--|--|--|-------------------------------------|
| Total organic halides Flash Point (closed cup) Anoclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Anoclor 1248 Anoclor 1254 Anoclor 1260 Ansenic Cadmium Chromium | .13 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.02 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kc mg/L mg/L | 3020×7060 3010×7130 3010 7140 |
| .⊬গ্ৰ | 0.75 | mg L | 3013 742 |

SN : See comment.

March components SN

Comments:

CAMPLE 16 35% LIGHT PETPOLEUM HYDROCARBONS (ALKANES) AND 9% WAR ER \dot{s} - signifies hore detected and the detection limits.

Tj:

AL OEBE BROOKS AFB | TX 78235-5000 | 85 PHGE 1997

REPORT OF ANALYSIS

BASE SHAPLE NO: GT910175

DEHL SAMPLE NO: 91010990

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC OISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910026

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOOPE SUPB

RESULTS

Test

Results Units EPA Mathod

Analyzed by: Raba-Kistner Consultants, inc.

Reviewed by:

Michael J. Wantland, MSqt. USHF

NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910176 OEHL SAMPLE NO: 91010991

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|---|---|--|--|
| Test | Results | Units | EPA Method |
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | .16 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.02 0.24 0.84 7.2 | % degrees f mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS (TOP 75%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 25%) 100% WATER.

Signifies none detected and the detection limits.

TO:

AL OEBE BRGOKS AFB TX 78235-5000 87 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SHIPLE NO: GT910176 DEHL SAMPLE NO: 91010991

SAMPLE TYPE: WASTE, HAZARDOUS/TOMIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 918226

DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGA HOSP ELMEMBORF SGPS

RESULTS.

Test

Results Units

Eff Method

Analyzed by: Raba-elstner Consultants, Inc.

Michael J. Wantland, MEgt, USHF NCOLU Technical Operations Branch

PHOE 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910163 DEHL SAMPLE NO: 91010976

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225 DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS.

| Test | Results | <u>Units</u> |
|----------|---------|--------------|
| Arsenic | <0.5 | mq/L |
| Barium | < 10.0 | mq/L |
| Cadmium | < 0.1 | mg / L |
| Chromium | <0.5 | mg∠L |
| Lead | <0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | < 0.1 | mg/L |
| Silver | <0.5 | mq L |

Comments:

- Signifies none detected and the detection limits.

Hil methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

TO:

Det o AL ED

BEDOKS HES IX 78275-5010

PHISE 1

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910171

OEHL SAMPLE NO: 91010984

SAMPLE TYPE: WASTE, HAZARDOUS/TOKIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIPED: 910308

DATE COLUECTED: 910225 DATE REPORTED: 910715

SHMPLE SUBMITTED BY: USAF RGN HOSP ELMEMBORF/SGPE

RESULTS

| Test | <u>Results</u> | <u>Uriti</u> |
|----------|----------------|--------------|
| Arsenio | < 0.5 | mq·L |
| Bartum | <10.0 | mg (L |
| ladm:um | < 0 . 1 | ភាជ្ញា 🗀 |
| Chromium | < 0.5 | mg 💆 |
| Lead | < 0.5 | mg L |
| Marcury | <0.02 | աց _ |
| Selenium | < 0.1 | m₫ L |
| Sil er | 0.5 | ma L |

Jummer to:

- lighther have detected and the detection limits. kii methija ji reyrm to these reduired by SW 845.

Analyzed by: Raba-Kistner Consultants, Inc.

Remiewed by:

Michael J. Wantland, MSqt, USAF NCBIC Technical Operations Branch

Tn:

Det A HL EJ 880019 HER TY 79235-5000

REPORT OF ANALYSIS

EASE SAMPLE NO: GT910172

DEHL SAMPLE NO: 91010987

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Unit</u> = |
|---------------------------------|---------|---------------|
| Acetone | LEL | u g L |
| Acrolein | LCL | ug≠L |
| Horylonitrile | LCL | ug∠L |
| Benzene | LCL | mg /L |
| Carbon Tetrachloride | LCL | mg/L |
| Chlorobenzene | LCL | mg/L |
| Chloroform | LCL | mg∠L |
| 1,1-Dichlormethene | LCL | mg/L |
| 1,2-Dichlornethane | LCL | mg∠L |
| Vinyl Chloride | LCL | mg 4L |
| Trichloroethylene | LCL | mg∠L |
| ^T etrachloroethylene | LCL | mg /L |
| Methyl Ethyl Ketone | LCL | mg·L |

LCL : Sample Lost by Contract Laboratory.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 22

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

TO:

Dat 6 ALZOFBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910173

OEHL SAMPLE NO: 91010988

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910205

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|------------------------|---------|--------------|
| Hietone | LCL | ug L |
| Acrolein | LCL | ugi≮L |
| Acrylonitrile | LCL | ug/L |
| Benzene | LCL | mg/L |
| Carbon Tetrach.oride | LCL | mg/L |
| Chlorob-nzene | CCL | mq∠L |
| Chlorotorm | LEL | mg/L |
| 1.1-Dichloroethene | LÜL | mg/L |
| 1,2-Dichlornethane | LCL | mų /L |
| Pinyl Chloride | LCL | ma∠L |
| Trichiornethylene | LEL | mg/L |
| Tata withinshethy, eve | LCL | mg / L |
| Methal Ethal ketone | L:-L | mg / L |

: IL : Sample Lost by Contract Laboratory.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

TO:

Det 6 AL /OEBE BROOKS AFB | TX 78235-5000 | 92

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910174

DEHL SAMPLE NO: 91010989

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910225

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | <u>Results</u> | <u>Units</u> |
|----------|----------------|--------------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | < 0.1 | mg/L |
| Chromium | < 0.5 | mg/L |
| Lead | < 0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | < 0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

 \sim Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCDIC Technical Operations Branch

TO:

Det 6 ALZER BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

SAMPLE TYPE: WASTE, HAZAPDOUS TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE PECEIVED: 910308

DATE COLLECTED: 910226 DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|------------|
| Total organic halides | 0.72 | 9/4 | |
| Flash Point (closed cup) | 105 | degrees F | 1010 |
| Araclar 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | 1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg∠kg | |
| Aroclor 1242 | < 1 . 0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mq/kg | |
| Araclar 1260 | <1.0 | തമ്യാഗ്യമ്മ | |
| Arsenia | <0.02 | mg/L | 3020 7060 |
| Cadmium | 0.35 | mg · L | 3616.7139 |
| Chromium | 40.25 | mg L | 3010 7190 |
| Lead | 2.4 | mg· L | 7010 7410 |
| Major compenents | SN | | |

SN : See comment.

Comments:

SAMPLE IS 199% PETROLEUM HIDROCAPBONS (DIESEL).

< - Signifies none detected and the detection limits.</p>

TO:

AL TOEBE 8FOOKS AFB TW 78235-5000 94 PAGE 1 Contide

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910177

OEHL SAMPLE NO: 91010992

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt, USAF NCCIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910178 DEHL SAMPLE NO: 91010993

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 | .99 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 1010 |
| Aroclor 1260 Arsenic Cadmium Chromium Lead Major components | <1.0 <0.02 0.64 <0.25 <0.25 | mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |

SN : See comment.

Comments:

SAMPLE IS (TOP 60%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 40%) 90% WATER AND 10% PETROLEUM HYDROCARBONS.

Signifies none detected and the detection limits.

TO:

AL/CEBE BPOOKS AFB TX 78235-5000 PAGE 1:Cantid:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910178

OEHL SAMPLE NO: 91010993

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: Williams

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179 OEHL SAMPLE NO: 91010994

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

TO:

ALZOEBE PAG BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179 OEHL SAMPLE NO: 91010994

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|-----------------------|---------|-------|------------|
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mā∖L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910179

DEHL SAMPLE NO: 91010994

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 30%) 98% LIGHT PETROLEUM DIL AND 2% WATER. (BOTTOM 70%) 100% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180 DEHL SAMPLE NO: 91010995

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|--------------|-----------|-------------------|
| Flash Point (closed cup) | 198 | degrees F | 1010 |
| Corrosivity | SINC | aediees i | 1110 |
| Arsenic | <0.5 | mq/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mq/L | 3010/7130 |
| Chromium | <0.5 | mq/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mq/L | 302 0/7740 |
| Silver | ₹Ü.5 | mq/L | 3010/7760 |
| Hydrogen ion (pH) | 3.0 | mg × C | 1110 |
| Cyanide (total) | ⟨2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mq/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mq/L | 30 040 366 0.9 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP. | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mq/L | |
| p-Cresol | <20. | mq/L | |
| 1,4-Dichlorobenzene | <10.0 | mq/L | |
| 1,2-Dichloroethane | < 5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mq/L | |
| Endrin | NP | mq/L | |
| Heptachlor | NP | mg/L | |
| · iop (doil roi | • • • | | |

TO:

AL/OEBE PAGE 1(Cont'd)

BROOKS AFB | TX 28235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180 OEHL SAMPLE NO: 91010995

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--|--|--|------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene | <10.0 <10.0 <10.0 NP NP <100 <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L | |
| Pentachlorophenol Pyridine Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | <10.0 <10.0 NP <10.0 <5.0 <5.0 <40. <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910180

OEHL SAMPLE NO: 91010995

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 30%) 99% LIGHT PETROLEUM OIL. (BOTTOM 90%) 92% WATER AND 7% INORGANIC SALTS.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 1

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181 OEHL SAMPLE NO: 91010996

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | _ | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7090 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg∠t. | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 10.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 946 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | < 5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

PAGE 1:Cont'd/

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181 DEHL SAMPLE NO: 91010996

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HUSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|---|--|---------------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene Pentachlorophenol Pyridine Toxaphene | <10.0 <10.0 <10.0 NP NP <100 <10.0 <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | <u>LI A NECTION</u> |
| Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | <10.0 <5.0 <5.0 <40. <10.0 NP | mg/L mg/L mg/L mg/L mg/L | |
| Major components | 311 | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910181

OEHL SAMPLE NO: 91010996

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS 72% WATER, 27% LIGHT PETROLEUM OIL AND 1% INGRGANICS. 5 - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910182 DEHL SAMPLE NO: 91010997

SAMPLE TYPE: WASTE, HAZAROOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|------------|-----------|----------------|
| Flash Point (closed cup) | | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | < (1 , ₹ | mg/L | 3620/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | < 1.0.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | ₹5.0 | mg (L | |
| Carbon Tetrachloride | < 5 . ft | urā < 广 | |
| Chlordane | MP | mg/L | |
| Chlorobenzene | <10.0 | mg L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | ₹20. | mg/l. | |
| o-Cresal | <21). | mg∠L. | |
| p-Cresol | ₹ ⊉ 0 | mg/L | |
| 1,4-Dichlorobenzene | <1.0 . 0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg∕t. | |
| 1,1-Dichloroethene | (5.1) | mg - L. | |
| 2,4-0 | NP | mg /L | |
| 2,4-Dinitrotoluene | <10.0 | mg L | |
| Endrin | NP | mg L | |
| Heptachlor | NP | mg L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910182 OEHL SAMPLE NO: 91010997

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULT3

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|---|--|--|------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene Pentachlorophenol Pyridine Toxaphene Uinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | <10.0 <10.0 <10.0 NP NP <100 <10.0 <10.0 <10.0 <10.0 <10.0 XP <10.0 <5.0 720 <40. <10.0 NP | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN

: See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910182

OEHL SAMPLE NO: 91010997

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 5%) 93% MIXED POLYMERS AND 7% WATER. (BOTTOM 95%) 86% DIETHYLENE GLYCOL, 12% WATER AND 2% POLYALKYLENE ETHERS (BRAKE FLUID).

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910183 OEHL SAMPLE NO: 91010998

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|----------------|-----------|--------------------|
| Flash Point (closed cup) | 137 | degrees F | 1010 |
| Corrosivity | SINC | _ | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | 0.020 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/ <i>77</i> 40 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 - |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | 6.6 | mg/L | |
| Carbon Tetrachloride | < 5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresoi | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910183 OEHL SAMPLE NO: 91010998

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---|--|------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene Pentachlorophenol Pyridine | <10.0 <10.0 <10.0 NP NP <100 <10.0 <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | |
| Toxaphene Uinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | NP <5.0 <5.0 <5.0 <40. <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP

: Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NU: GC910183

OEHL SAMPLE NO: 91010998

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM OIL (MOTOR). (BOTTOM 5%) 100% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184 DEHL SAMPLE NO: 91010999

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | | | | |
|---|--------------------------|----------------|--------------|----------------|
| Corrosivity | Test | Results | <u>Units</u> | EPA Method |
| ## Arsenic | Flash Point (closed cup) | 100 | degrees F | 1010 |
| Barium | Corrosivity | SINC | _ | 1110 |
| Cadmium < 0.1 | Arsenic | ∢0.5 | mg/L | 3020/7060 |
| Chromium <0.5 | Barium | <10.0 | mg/L | 3010/7080 |
| Lead < 0.5 | Cadmıum | <0.1 | mg/L | 3010/7130 |
| Mercury (0.02 mg/L 7470 Selenium (0.1 mg/L 3020/7740 Silver (0.5 mg/L 3010/7760 Hydrogen ion (pH) 9.0 1110 Cyanide (total) (2.0 SW 846 SEC 8.3 Sulfides (10.0 mg/L Benzene (5.0 mg/L Carbon Tetrachloride (5.0 mg/L Chlordane NP mg/L Chloroform (5.0 mg/L Chloroform (5.0 mg/L m-Cresol (20. mg/L o-Cresol (20. mg/L 1,4-Dichlorobenzene (10.0 mg/L 1,2-Dichloroethane (5.0 mg/L 1,1-Oichloroethene (5.0 mg/L 2,4-D NP mg/L Endrin NP mg/L | Chromium | <0.5 | mg/L | 3010/7190 |
| Selenium < 0.1 | Lead | <0.5 | mg/L | 3010/7420 |
| Silver | Mercury | <0.02 | mg/L | 7470 |
| Hydrogen ion (pH) 9.0 1110 Cyanide (total) <2.0 | Selenium | <0.1 | mg/L | 3020/7740 |
| Cyanide (total) <2.0 | Silver | <0.5 | mg/L | 3010/7760 |
| Sulfides <10.0 | Hydrogen ion (pH) | 9.0 | | 1110 |
| Benzene < 5.0 | Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Carbon Tetrachloride < 5.0 mg/L Chlordane NP mg/L Chlorobenzene < 10.0 | Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Chlordane NP mg/L Chlorobenzene <10.0 | Benzene | <5.0 | mg/L | |
| Chlorobenzene <10.0 | Carbon Tetrachloride | <5.0 | mg/L | |
| Chloroform < 5.0 | Chlordane | ИP | mg/L | |
| m-Cresol <20. | Chlorobenzene | <10.0 | mg/L | |
| o-Cresol | Chloroform | <5.0 | mg/L | |
| p-Cresol <20. | m-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene <10.0 | o-Cresol | <20. | mg/L | |
| 1,2-Dichloroethane <5.0 mg/L 1,1-Dichloroethene <5.0 mg/L 2,4-D NP mg/L 2,4-Dinitrotoluene <10.0 mg/L Endrin NP mg/L | p-Cresol | <20. | mg/L | |
| 1,1-Dichloroethene <5.0 mg/L 2,4-D NP mg/L 2,4-Dinitrotoluene <10.0 mg/L Endrin NP mg/L | 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 2,4-D NP mg/L 2,4-Dinitrotoluene <10.0 mg/L Endrin NP mg/L | 1,2-Dichloroethane | <5.0 | mg/L | |
| 2,4-Dinitrotoluene <10.0 mg/L Endrin NP mg/L | 1,1-Dichloroethene | < 5.0 | mg/L | |
| Endrin NP mg/L | 2,4-0 | NP | mg/L | |
| | 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Heptachlor NP mg/L | Endrin | NP | mg/L | |
| | Heptachior | NP | mg/L | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184 OEHL SAMPLE NO: 91010999

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|--|---|------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene Pentachlorophenol Pyridine Toxaphene Uinyl Chloride | <10.0 <10.0 <10.0 NP NP <100 <10.0 <10.0 <10.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | |
| Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex Major components | <5.0 <5.0 <40. <10.0 NP | mg/L mg/L mg/L mg/L mg/L | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910184

- DEHL SAMPLE NO: 91818999

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 20%) >99% PETROLEUM DIL (MOTOR). (BOTTOM 60%) 59% DIETHYL ETHER (BRAKE FLUID) AND 11% WATER. < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910185

OEHL SAMPLE NO: 91011000

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|-------------------|
| Flash Point (closed cup) | | degrees F | 1010 |
| Corresivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 301 0/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Mercury | <0.02 | mg/L | 7470 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | 112 | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS >99% ETHYLENE GLYCOL.

< - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910185

OEHL SAMPLE NO: 91011000

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kaşther Consultants, Inc.

Reviewed by: My/1/2

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910186

OEHL SAMPLE NO: 91011001

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Flash Point (closed cup) | →200 | degrees F | 1010 |
| Corrosivity | SINC | • | 1110 |
| Arsenic | <0.5 | mg /L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mq/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mq/L | 302077740 |
| Silver | <0.5 | mq/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | ~ | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | 710.0 | mg/L | SW 846 SEC 8.3 |
| Major components | S14 | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 95%) >99% PETROLEUM HYDROCARBONS (LIGHT DIL). (BOTTOM 5%) 100% WATER.

< - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910186

OEHL SAMPLE NO: 91011001

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIEP:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOFF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NEDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910187 OEHL SAMPLE NO: 91011002

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|------------|
| Total organic halides | 0.07 | % | |
| Flash Point (closed cup) | 150 | degrees F | 1010 |
| Araclar 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 1.9 | mg/L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | 4.6 | mg/L | 3010/7420 |
| M | CN | | |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (LIGHT LUBE OIL). < - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB TY 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910187

OEHL SAMPLE NO: 91011002

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS.

Test

Results Units

EPA Mathod

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910188

OEHL SAMPLE NO: 91011003

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|--|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | .99 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | · | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). < - Signifies none detected and the detection limits.</p>

TO:

AL/OFBE

BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910188

OEHL SAMPLE NO: 91011003

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189 OEHL SAMPLE NO: 91011004

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOPF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | 2.8 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 8.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | < 5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189 DEHL SAMPLE NO: 91011004

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

REBULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| Hexachlorobenzene | <10.0 | mq/L | |
| Hexachlorobutadiene | <10.0 | mq/L | |
| Hexachloroethane | <10.0 | mq/L | |
| Lindane | NP | mq/L | |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mq/L | |
| Nitrobenzene | <10.0 | mq/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mq/L | |
| Toxaphene | ИP | mq/L | |
| Vinyl Chloride | <10.0 | mq/L | |
| Trichloroethylene | <5.0 | mq/L | |
| Tetrachloroethylene | 7.2 | mq/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.9 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910189

OEHL SAMPLE NO: 91011004

SAMPLE TYPE: WASTE, HAZAPDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 3%) >99% PETROLEUM DIL (MOTOR). (BOTTOM 97%) 81% ETHYLENE GLYCOL AND 19% WATER.

Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 OEHL SAMPLE NO: 91011005

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|---------|-------|--------------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | 11P | mg/L | 3018/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | 14P | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7 19 0 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | MP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | ΝP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

PAGE 1/Contid+

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 DEHL SAMPLE NO: 91011005

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mq/L | 3010/7760 |
| Toxaphene | NP | mq/L | |
| Uinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mq/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mq/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 80%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER). (BOTTOM 20%) 95% WATER AND 5% LIGHT PETROLEUM SPIRITS.

AIR FORCE

OCCUPATIONAL AND ENVIRONMENTAL HEALTH LABORATORY BROOKS AFB, TEXAS. 78235-5501

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190 OEHL SAMPLE NO: 91011005

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|----------------------|---------|-------|
| Selenium | <0.1 | ma/L |
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma/L |
| Barium | <10.0 | ma/L |
| Benzene | 410 | ma/L |
| Cadmium | 0.4 | ma/L |
| m-Cresol | NP | ma/L |
| Chromium | <0.5 | ma/L |
| 1.1-Dichloroethene | <1.6 | ma/L |
| 2.4-0 | NP | ma/L |
| Endrin | NP | ma/L |
| Heptachlor | NP | ma/L |
| Lead | 2.0 | ma/L |
| 2,4-Dinitrotoluene | <.10 | mq/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lindane | NP | ma/L |
| Methoxychior | NP | ma/L |
| Pentach loropheno l | <.50 | ma/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| Tetrachloroethylene | <1.6 | ma/L |
| Carbon Tetrachloride | <1.6 | ma/L |
| o-Cresol | 29 | ma/L |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190

OEHL SAMPLE NO: 91011005

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|-----------------------|---------|--------------|
| Chlorobenzene | <1.6 | ma/L |
| Chloroform | <1.6 | mq/L |
| 1.2-Dichloroethane | <1.6 | ma/L |
| Mercury | <0.02 | ma/L |
| Vinul Chloride | <1.6 | ma/L |
| Trichloroethylene | <1.6 | ma/L |
| 1.4-Dichlorobenzene | <.10 | ma/L |
| Nitrobenzane | < .10 | ma/L |
| Puridine | <.10 | ma/L |
| 2.4.5-Trichlorophenol | < .10 | ma/L |
| 2.4.6-Trichlorophenol | < .10 | ma/L |
| p-Cresol | < .10 | ma/L |
| Methol Ethol Ketone | <20 | ma/L |
| M | CN | |

Major components SN

NP

: Test Not Performed

SN

: See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910190

DEHL SAMPLE NO: 91011005

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Persewed by:

Michael J. Wantland, Magt, USAF

NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910191

OEHL SAMPLE NO: 91011006

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units |
|-------------------|----------------|--------------|
| Arsenic Barium | <0.5 <10.0 | mg/L mg/L |
| Cadmium | <0.1 | mg/L |
| Chromium Lead | < 0.5 < 0.5 | mg/L mg/L |
| Mercury | <0.02 | mg∕L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg ∕L |

Comments:

< - Signifies none detected and the detection limits.</p> All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

TO:

Det 6 ALZEG BROOKS AFB TX 78235-5000 PAGE I

REPORT OF AMALYSIS

BASE SAMPLE NO: GT910192 DEHL SAMPLE NO: 91011007

SAMPLE TYPE: WASTE, HAZAPDOUS/TOKIC/DISPOSHL

SITE IDENTIFIEP:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE PEPORTED: 910571

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOPF SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | .06 152 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0 (1.0 (0.02 0.25 (0.25 5.3 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L | 7020.7080 3010.7170 3010.7170 3010.72190 3010.7742 |
| Major components | 5N | | |

SH : See comment.

Comments:

SAMPLE IS 199% PETROLEUM HYDROCAFBONS (LIGHT LUBE DIL). Signifies none detected and the detection limits.

TO:

HL / CEBE

8800kg 488 TX 78235-5000

PHGE 1: Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910192

OEHL SAMPLE NO: 91011007

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910193 DEHL SAMPLE NO: 91011908

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIEP: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| _ | | | |
|-----------------------|---------|--------------|------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Total organic halides | <0.03 | % | |
| <u>-</u> | 115 | degrees F | 1010 |
| Araclar 1016 | <1.0 | mgŽkg | |
| Araclar 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Araclar 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg∕kg | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | <0.2 | mg 1L | 3010/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Major gomennents | ©M. | | |

Major components SN

SN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (DEGREASER) AND 1% WATER. < - Signifies none detected and the detection limits.

TO:

ALZOEBE BROOKS AFB TX 78235-5600 PAGE 1/Cont di

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910193 OEHL SAMPLE NO: 91011008

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> <u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910194 OEHL SAMPLE NO: 91011009

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| Flash Point (closed cup) | 176 | degrees F | 1010 |
| Corresivity | SINC | - | 1110 |
| Arsenic | <0.5 | mg /L | 3020/2060 |
| Barıum | <10.0 | mg / L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010 7130 |
| Chromium | <0.5 | mg / L | 3010/7190 |
| Lead | <0.5 | mg /L | 3010/7420 |
| Mercury | <0.02 | ma L | 7470 |
| Selenium | <0.1 | mg≠L | 3020/2740 |
| Silver | <û.5 | mg /L | 3010 7760 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Chanide (total) | < 2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 346 3EC 8.3 |
| Benzene | 2400 | mg / L | |
| Carbon Tetrachloride | <5.0 | mg /L | |
| Chlordane | NP | mg L | |
| Chlorobenzene | <10.0 | mg≠L | |
| Chloroform | <5.0 | mg√L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresal | <20. | mg/L | |
| l,4-Dichlorobenzene | <10.0 | mg L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloraethene | <5.0 | mg/L | |
| 2,4-D | ИP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg∠L | |
| Heptachlor | NP | mg L | |

TO:

ALZOEBE

BROOKS AFB | TX 78235-5000

PAGE 1/Cantid

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910194

OEHL SAMPLE NO: 91011009

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|--|--|------------|
| Hexachlorobenzene Hexachlorobutadiene Hexachloroethane Lindane Methoxychlor Methyl Ethyl Ketone Nitrobenzene Pentachlorophenol Pyridine Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | <10.0 <10.0 <10.0 NP NP <100 <10.0 <10.0 <10.0 <10.0 <10.0 <10.0 NP <10.0 <5.0 <40. <10.0 NP | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | |
| Major components | SN | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

SN : See comment.

REPORT OF AMALYSIS

BASE SAMPLE NO: GT910194 DEHL SAMPLE NO: 91011009

SAMPLE TYPE: WASTE, HAZAPDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910931

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOGRE/SGPS

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 95%) 199% LIGHT PETROLEUM SPIRITS (DEGPENSER). (BOTTOM 5%) 100% WATER.

Signifies none detected and the detection limits.

Analyzed by: Raba-Magther Consultants, inc.

Reviewed by: 2

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195 OEHL SAMPLE NO: 91011010

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|--------------|-------------------|
| Flash Point (closed cup) | 90 | degrees F | 1010 |
| Corrosivity | SINC | - | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010 /7080 |
| Cadmium | <0.1 | mq/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mq/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/2260 |
| Hydrogen ion (pH) | 6.0 | - | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Benzene | <0.05 | mg/L | |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| m-Cresol | ∢20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichlaraethene | <0.05 | mg/L | |
| 2,4-0 | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195 DEHL SAMPLE NO: 91011010

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

REBULTS

| T | 014- | Maria a | 550 4 1 |
|-----------------------|---------|--------------|------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Methaxychlar | 11P | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <48. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | ИЗ | | |

SINC : Sample is not corrosive.

NP : Test Not Performed

514

: See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910195

OEHL SAMPLE NO: 91011010

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 80%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER). (BOTTOM 20%) 87% WATER AND 13% LIGHT PETROLEUM (DEGREASER). Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 DEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|----------------------|---------|-------|
| Arsenic | <0.5 | ma/L |
| Barıum | <10.0 | ma/L |
| Cadmium | <0.1 | ma/L |
| Chromium | <0.5 | ma/L |
| Lead | <0.5 | ma/L |
| Benzene | 13 | ma/L |
| Carbon Tetrachloride | <1.6 | ma/L |
| m-Cresol | < .10 | ma/L |
| o-Cresol | <.10 | ma/L |
| 1.4-Dichlorobenzene | < .10 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachiorophenol | <.50 | ma/L |
| Puridine | <.10 | ma/L |
| Methul Ethul Ketane | <20 | ma/L |
| Mercury | <0.02 | ma/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |
| Chlorobenzene | <1.6 | ma/L |
| Chloroform | <1.6 | ma/L |
| o-Cresol | <.10 | ma/L |
| 2.4-Dinitrotoluene | < .10 | mg/L |
| 1.2-Dichloroethane | <1.6 | mg/L |
| 1.1-Dichloroethene | <1.6 | ma/L |
| Hexachlorobenzene | < .10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 DEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE REPORTED: 910531 DATE COLLECTED: 910226

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | Results | Units |
|-----------------------|---------|-------|
| Vinul Chloride | <1.6 | mq/L |
| Trichloroethylene | <1.6 | ma/L |
| Tetrachloroethylene | <1.6 | ma/L |
| 2.4.5-Trichlorophenol | <.10 | mg/L |
| 2.4.6-Trichlorophenol | <.10 | mg/L |
| Major components | SN | |

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 95%) 65% WATER. 29% ETHYLENE GLYCOL AND 6% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. < - Signifies none detected and the detection limits. All methods conform to those required by SW 846.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 DEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTF, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Analyzed by: Raba-Kistner Consultants. Inc.

Reviewed by:

Michael J. Wantland, MSot. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196

OEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|----------------------|---------|--------------|------------|
| Arsenic | ИP | mq/L | 3020/7060 |
| Barlum | NP | mg/L | 3010/7080 |
| Cadmium | NP | mg/L | 3010/7130 |
| Chromium | NP | mq/L | 3010/7190 |
| Lead | ИP | mq/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Benzene | ИP | mg/L | |
| Carbon Tetrachloride | NP | mq/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg∠L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichlorgethane | ИP | mg/L | |
| 1,1-Dichloroethene | NP | mg./L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Pyridine | NP | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910196 DEHL SAMPLE NO: 91011011

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Unită</u> | EPA Method |
|---|----------------|----------------------|------------|
| Tetrachloroethylene 2,4.5-Trichlorophenol 2,4.6-Trichlorophenol | 전면 전면 전면 | mg/L ma/L mg/L | |
| Major components | SN | | |

NP : Test Not Performed

Si: See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETPOLEUM HYDROCARBONS DIL (MOTOF). (BOTTON 95%) 65% WATER, 29% ETHYLENE GLYCOL AND 6% PETROLEUM HYDROCARBONS.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MEgt, USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910197 OEHL SAMPLE NO: 91011012

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>lest</u> | <u>Pasuits</u> | <u>Units</u> | EPA Method |
|---|---|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 | <0.03 >200 <1.0 <1.0 <1.0 <1.0 <1.0 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 1310 |
| Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | <1.0 <1.0 <0.02 2.7 0.48 F.1 | mg/kg mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |

Major components SN

SN : See comment.

Comments:

SAMPLE IS > 99% PETROLEUM HYDROCARBONS (KEROSENE/JET FUEL) (LIGHT LUBE DIL).

5 - Signifies none detected and the detection limits.

TO:

HL DEBE BEOOKS HES IX 78135-5130 148 PAGE 1:Contid!

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910197 DEHL SAMPLE NO: 91011012

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMOOPF/SGPB

RESULTS

Test

Results Units

<u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, inc.

Reviewed by: /

Michael J. Wantland, MSgt. USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910198 OEHL SAMPLE NO: 91011013

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | <u>EPA Method</u> |
|---|--|--|--------------------------------|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium | 0.04 83 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <2.0 | % degrees F mg/kg 1010 3020/7060 3010/7130 |
| Chromium Lead | <0.25 3.7 | mg/L mg/L | 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (ALKANES). < - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE

PROOKS AFB IX 73235+5000 150

PAGE 10Cont 131

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910198

OEHL SAMPLE NO: 91011013

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEHDORF/SGP8

RESULTS

1.5t

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910199 OEHL SAMPLE NO: 91011014

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|--|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | 0.07 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kc mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

Major components

SN

SN : See comment.

Comments:

SAMPLE IS (TOP 15%) >99% PETROLEUM HYDROCARBONS. (BOTTOM 85%) 100% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB TX 78235-5000 152

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910199

OEHL SAMPLE NO: 91011014

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED 97: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units

<u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910200

OEHL SAMPLE NO: 91011015

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units |
|-------------|---------|-------|
| Arsenio | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | < 0.1 | mg/L |
| Chromium | < 0.5 | mg/L |
| Lead | < 0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | <0.5 | mg/L |

Comments:

< - Signifies none detected and the detection limits.</p> All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

TO:

Det 6 ALZED BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910201 OEHL SAMPLE NO: 91011016

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units |
|-------------|---------|-------|
| Arsenic | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | < 0.1 | mg/L |
| Chromium | < 0.5 | mg/L |
| Lead | <0.5 | mg/L |
| Mercury | < 0.02 | mg/L |
| Selenium | < 0.1 | mg/L |
| Silver | < 0.5 | mg/L |

Comments:

 Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt. USAF NCOIC Technical Operations Branch

TD:

Det 6 AL/EQ BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910220

OEHL SAMPLE NO: 91011035

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> |
|-------------|---------|--------------|
| Arsenio | <0.5 | mg/L |
| Barium | <10.0 | mg/L |
| Cadmium | 12 | mg/L |
| Chromium | <0.5 | mg∠L |
| Lead | < 0.5 | mg/L |
| Mercury | <0.02 | mg/L |
| Selenium | <0.1 | mg/L |
| Silver | < 0.5 | mg/L |

Comments:

 Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

TO:

Det 6 ALZEQ BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202 OEHL SAMPLE NO: 91011017

SAMPLE TYPE: SDIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|-------------|-----------|------------------------|
| Flash Point (closed cup) | 150 | degrees F | 1010 |
| Corrosivity | SINC | _ | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 3 46 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 30 10/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 302 0/7740 . |
| Silver | <0.5 | mg/L | 3010/7760 |
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | ₹5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | ₹5.0 | mg./L | |
| l,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| l,l-Dichloraethene | <5.O | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | < 10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| | | | |

TO:

ALZOEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202 OEHL SAMPLE NO: 91011017

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| Lindane | ИP | mg/L | |
| Methoxychlor | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | < 10.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg∕L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Major components | SN | | |

SINC

: Sample is not corrosive.

NP

: Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910202

OEHL SAMPLE NO: 91011017

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED:

910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 75%) >99% LIGHT PETROLEUM OIL. (BOTTOM 25%) 49% WATER, 27% INORGANICS AND 24% HEAVY PETROLEUM GEL. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: Z

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910203 OEHL SAMPLE NO: 91011018

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 9)0308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|---|---|---|--|
| Test | Results | Units | EPA Method |
| Total organic halides Cadmium Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Chromium Lead | 0.08 0.24 >200 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <0.02 <0.25 1.1 | % mg/L degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L | 3010/7130 1010 3020/7060 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). PCB SCREEN - MATRIX REQUIRED DILUTION. \leftarrow - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910203 OEHL SAMPLE NO: 91011018

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test Results Units EPA Mathod

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Aranch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma∕L |
| Barıum | <10.0 | ma∕L |
| Benzene | 12.7 | ma/L |
| Cadmium | 0.24 | ma/L |
| 2.4-D | NP | ma/L |
| Endrin | NP | ma/L |
| Heptachlor | NP | ma/L |
| 2.4-Dinitrotoluene | < .10 | ma/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | < .10 | ma/L |
| Hexachloroethane | < .10 | ma/L |
| Lead | 26.2 | ma/L |
| Lindane | NP | ma/L |
| Methoxychlor | NP | ma/L |
| Mercuro | <.02 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Pyridine | <.10 | ma/L |
| Selenium | <.1 | ma/L |
| Methyl Ethyl Ketone | <20 | ma/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <.5 | mq/L |
| Vinul Chloride | <1.6 | ma/L |
| Trichloroethulene | <1.6 | ma/L |

TO:

ALZOEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|-----------------------|---------|-------|
| Tetrachloroethulene | 1.2 | ma/L |
| 2.4.5-Trichlorophenol | < .10 | mg/L |
| 2,4.6-Trichlorophenol | < .10 | ma/L |
| Carbon Tetrachloride | <1.6 | mg/L |
| Chlorobenzene | <1.6 | mạ∕L |
| Chloroform | <1.6 | mg/L |
| Chromium | 0.56 | ma/L |
| m-Cresol | < .10 | mq/L |
| o-Cresol | <.10 | ma∕L |
| p-Cresol | <.10 | ma∕L |
| 1,4-Dichlorobenzene | <.10 | ma/L |
| 1.2-Dichloroethane | <1.6 | ma∕L |
| 1,1-Dichloraethene | <1.6 | ma/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204

OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE IS (TOP 25%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 25%) 66% WATER. 33% ETHYLENE GLYCOL AND 1% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. < - Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants. Inc.

Reviewed by:

Michael J. Wantland, MSqt. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Arsenic | NP | mg/L | 3020/7060 |
| Barıum | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NP | mg/L | |
| Chromium | NP | mg/L | 3010/7190 |
| m-Cresol | NP | mg/L | |
| o-Cresol | NP | mg/L | |
| p-Cresol | NP | mg/L | |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | NP | mg/L | |
| 2,4-0 | NP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg⁄L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204

OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HUSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--|---|--|------------------------|
| Pentachlorophenol Pyridine Selenium Silver Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | 7 7 7 7 7 7 7 7 7 7 7 7 9 9 9 9 9 9 9 9 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3020/7740 3010/7760 |
| Major components | S14 | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 75%) >99% PETROLEUM HYDROCARBONS OIL (MOTOR). (BOTTOM 25%) 66% WATER, 33% ETHYLENE GLYCOL AND 1% PETROLEUM HYDROCARBONS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910204 OEHL SAMPLE NO: 91011019

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910708

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, Migt, USHF NCOIC Technical Operations Branch

PHGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910205

OEHL SAMPLE NO: 91011020

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | · · · · · · · · · · · · · · · · · · · | |
|--------------------------|-------------|---------------------------------------|------------|
| Test | Results | <u>Units</u> | EPA Method |
| Total organic halides | 0.19 | <u>.</u> | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclar 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclar 1260 | <1.0 | mg/kq ′ | |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Cadmium | 0.72 | mg/L | 3010/7130 |
| Chromium | 0.76 | mg/L | 3010/7190 |
| Lead | 42 | mg≺L | 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDPOCARBONS (MOTOR OIL). < - Signifies none detected and the detection limits.

TO:

AL /OEBE

BROOKS AFB | TX 78235-5000

168

PAGE 1/Cont'd:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910205 OEHL SAMPLE NO: 91011020

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Mathod

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910206 OEHL SAMPLE NO: 91011021

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|--|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | 0.14 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | S11 | | |

na jor componento

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). < - Signifies none detected and the detection limits.

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910206

DEHL SAMPLE NO: 91011021

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOPF/SGPB

RESULIS

<u>Test</u>

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, inc.

Reviewed by:

Michael J. Wantland, MSgt. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910207 OEHL SAMPLE NO: 91011022

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|--|--|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | .31 170 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <2.0 <7.0 <7.0 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

SII : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 1% WATER. PCB SCREEN - MATRIX REQUIRED DILUTION. < - Signifies none detected and the detection limits.

TO:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910207 DEHL SAMPLE NO: 91011022

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

RESULTS

Test Pesults Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt. USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|-----------------------|---------|-------|
| Nitrobenzene | <.10 | ma/L |
| Arsenic | <0.5 | mq:/L |
| Chlordane | NP | ma/L |
| Barıum | < 10 | mg/L |
| Benzane | <1.6 | ma/L |
| 2.4-D | NP | mg/L |
| Endrin | NP | mg/L |
| Heptachlor | NP | ma/L |
| 2,4-Dinitrotoluene | < .10 | ma/L |
| Hexachlorobenzene | < .10 | ma/L |
| Hexachlorobutadiene | <.10 | mq/L |
| Hexachlorosthane | < .10 | ma/L |
| Lead | <0.5 | ma/L |
| Lindane | NP | ma/L |
| Mathoxychlor | NP | ma/L |
| Methul Ethul Ketone | <20 | mq/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| Vinul Chloride | <1.6 | mq/L |
| Trichloroethylene | <1.6 | mq/L |
| Tetrachloroethylene | <1.6 | mq/L |
| 2.4.5-Trichlorophenol | < . 10 | mg/L |
| 2.4.6-Trichlorophenol | < .10 | ma/L |
| Cadmium | <0.1 | ma/L |
| Carbon Tetrachloride | <1.6 | ma/L |

TO:

AL/UEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE. HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Chlorobenzene | <1.6 | ma/L |
| Chloroform | <1.6 | ma/L |
| Chromium | <0.5 | mọ∕L |
| m-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma∕L |
| p-Cresol | <.10 | mg/L |
| 1,4-Dichlorobenzene | <.10 | mg/L |
| 1.2-Dichloroethane | <1.6 | ma/L |
| 1,1-Dichloroethene | <1.6 | ma/L |
| Mercuro | <0.02 | ma/L |
| Pentachlorophenol | <.5û | mg/L |
| Puridine | <.10 | ma/L |
| Selenium | <0.1 | ma/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 OEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE IS (TOP 95%) 98% WATER AND 2% PETROLEUM HYDROCARBONS. (BOTTOM 5%) 94% WATER AND 6% ORGANIC SOIL (HUMIS). AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. < - Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants. Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208 DEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE, HAZARDOUS TOKIC DISPOSAL

SITE IDENTIFIER:

DHTE RECEIVED: 910708

DATE COLLECTED: 910226

DATE REPORTED: 910931

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|-----------------|--------|------------|
| Hrsenic | NF | mg/L | 3020/7060 |
| Barıum | NP | mg / L | 3010/7080 |
| Benzene | NF: | ma / L | |
| Cadmium | NP | mg/L | 3010/T130 |
| Carbon Tetrachloride | NF: | mg/L | |
| Chlordane | 11 5 | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | 11P | mg/L | |
| Chromium | NP | ma L | 3010 7190 |
| m-Cr⊜∋0l | HP | mq L | |
| o-Creso! | NP | ma L | |
| p-Cresol | :1P | ma L | |
| 1,4-Oichlorobenzene | NF | ma L | |
| 1.2-Dichloroethane | 11P | mg L | |
| l.l-Dichloroethene | NF | mg L | |
| 2,4-0 | , †b | mq L | |
| 2,4-Cinitrotoluene | NF | ma L | |
| Endrin | 116 | ma/L | |
| Heptachlor | NF | ma L | |
| He-achlorobenzene | MP | mq L | |
| Hexachlarobutadiene | MP | mô ∟ | |
| Herachloroethane | NF | mq/L | |
| Lead | NF | ma L | 3010/0420 |
| Lindane | 11P | ma L | |
| Marcury | ME | mg · L | 0 0 |
| Methoxychion | +1 5 | ma L | |
| Methyl Ethyl Retone | NET CONTRACT | ma L | |
| Nitrobenzene | •⁴6 | mg L | |
| | | | |

75:

⊸L CEBE BROOKS 4F9 TV 78235-5000 PAGE 1/Contide

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910208

OEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGM HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Unita</u> | EPA Method |
|-----------------------|---------|--------------|-------------------|
| Pentachlorophenol | MP | mg/L | |
| Pyridine | NP | mg/L | |
| Selenium | NP | mg/L | 3020 /7740 |
| Silver | NP | mq/L | 3010/77e0 |
| Toxaphene | ИP | mg/L | |
| Uinul Chloride | NP | mg/L | |
| Trichloroethylene | 11P | mg/L | |
| Tetrachloroethylene | NP | mq/L | |
| 2,4,5-Trichlorophenol | NP | mq/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silvex | иP | mg/L | |
| Major components | 514 | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 95%) 98% WATER AND 2% PETROLEUM HYDROCARBONS. (BOTTOM 5%) 94% WATER AND 5% ORGANIC SOIL (HUMIS).

REPORT OF ANALYSIS

BASE SHMPLE NO: GT910208

DEHL SAMPLE NO: 91011023

SAMPLE TYPE: WASTE, HAZARDOUS/TODIO DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DHTE REPORTED: 910571

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF SGPB

RESULTS

Test

Results units EPA Method

Analyzed by: Raba-Kistner Consultants. Icc.

Persewed by: My

Michael J. Wantland, MEqt. USHF MCCIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Nitrobenzene | <.10 | ma/L |
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | mg/L |
| Barium | <10.0 | ma/L |
| Chloroform | <1.6 | ma/L |
| Chromium | <.5 | ma/L |
| m-Cresol | <.10 | mạ∕L |
| o-Cresol | <.10 | ma/L |
| p-Cresol | < .10 | ma/L |
| 1.4-Dichlorobenzene | < .10 | ma/L |
| 1,2-Dichloroethane | <1.6 | ma/L |
| 1.1-Dichlorosthens | <1.6 | ma∕L |
| 2.4-D | NP | ma∕L |
| Endrin | NP | ma∕L |
| Heptachlor | NP | ma∕L |
| 2.4-Dinitrotoluene | <.10 | ma∕L |
| Hexachlorobenzene | < .10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lead | 0.8 | ma/L |
| Lindane | NP | ma/L |
| Methoxuchlor | ИP | ma/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <.5 | ma∕L |
| Vinyl Chloride | <1.6 | ma∕L |

TO:

AL/DEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> |
|-----------------------|---------|--------------|
| Trichloroethylene | <1.6 | ma/L |
| Tetrachlorosthulene | <1.6 | ma/L |
| 2.4.5-Trichlorophenol | < .10 | ma/L |
| 2.4.6-Trichlorophenol | < .10 | ma/L |
| Benzene | <1.6 | ma/L |
| Cadmıum | <0.1 | ma/L |
| Carbon Tetrachloride | <1.6 | ma/L |
| Chlorobenzene | <1.6 | ma/L |
| Mercury | <0.02 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Puridine | < .10 | ma/L |
| Selenium | <0.1 | ma/L |
| Methul Ethul Ketone | <20 | mg∕L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 87% ETHYLENE GLYCOL. 7% WATER AND 6% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS.

 \leftarrow - Signifies none detected and the detection limits. All methods conform to those required by SW 846.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed but

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 OEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

Date REPORTED: 910531

SHMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS.

| | | | |
|----------------------|---------|--------------|------------|
| Test | Results | <u>Units</u> | EPA Method |
| Arsenic | NF | mg 1L | 3020/7060 |
| Barium | HP | mg 'L | 3010×7080 |
| Benzene | NP | mg∠L | |
| Cadmıum | }4P | mg L | 3010-7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | MP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | 14P | mg/L | |
| Chromium | NP | mg/L | 3010 P190 |
| m-Cresol | MP | mg/L | |
| a-Cresol | NF | mg∠L | |
| p-Cresol | NP. | mg L | |
| l.4-Dichlorobenzene | tH₽ | wā L | |
| 1.2-Dichloroethane | NP | mg L | |
| 1,1-Dichlorgethene | NP | ma L | |
| 2,4-D | NP | mg. L | |
| 2,4-Dinitrotoluene | NP | mg L | |
| Endrin | 11P | mg/L | |
| Heptachlor | NP | mg L | |
| He>achlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | ma L | 7470 |
| Methoxychlor | NP | ma L | |
| Methyl Ethyl Ketone | NP | mā L | |
| Nitrobenzene | 11P | mg L | |
| | | • | |

TO:

AL/OEBE

BPOOKS AFB | TX 78235-5000

PAGE 1/Contide

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209

OEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

PESULTS

| Test | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| Pentachlorophenol | ΝР | mg/L | |
| Pyridine | NE | mg/L | |
| Selenium | HP | mg≠L | 3020/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Toxaphene | 14P | mg/L | |
| Vinyl Chloride | NP | mg/L | |
| Trichloroethylene | HP | mg/L | |
| Tetrachloroethylene | NP | mg/L | |
| 2,4,5-Trichlorophenol | NP | mg/L | |
| 2,4,6-Trichlorophenol | NP | mg/L | |
| Silver | NP | mg/L | |
| Major components | S14 | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 87% ETHYLENE GLYCOL, 7% WATER AND 6% PETROLEUM HYDROCARBONS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910209 DEHL SAMPLE NO: 91011024

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910708

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGH HOSP ELMEMOORF SGPB

RESULTS

<u>Fest</u> <u>Pesults Units</u> <u>EFH Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910210

OEHL SAMPLE NO: 91011025

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF, SGPB

RESULTS

| | | · | |
|--|--|---|-------------------------------------|
| Test | Results | <u>Units</u> | EPA Method |
| Cadmium Total organic halides | 0.60 0.33 | mg∠L | 3010/7130 |
| Flash Point (closed cup) Anoclor 1016 Anoclor 1221 Anoclor 1232 Anoclor 1242 Anoclor 1248 Anoclor 1254 Anoclor 1260 | 9F <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 1010 |
| Arsenic Chromium Lead Major components | <pre></pre> | må √F må √F mú √F | 302047068 301047190 3010 7428 |

SN : See comment.

Comments:

SAMPLE IS 99% PETROLEUM HYDROCAPBONS (LIGHT OIL) AND 1% WATER. < - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE BROOKS AFB TK 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910210

DEHL SAMPLE NO: 9:011025

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE PEPORTED: 910931

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOPF/SGPB

RESULTS.

<u>Test</u>

Results Unit

EPH Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSqt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910211 OEHL SAMPLE NO: 91011026

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGH HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Urits | EPA Method |
|-----------------------------|--|---|---|
| Silver Hydrogen ion (pH) | /200 SINC <0.5 <10.0 <0.1 <0.5 <0.5 <0.02 <0.1 <0.5 /0.5 | degrees F mg/L 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg·L | SW 846 SEC 8.7 |

Major components SN

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 66% ETHYLENE GLYCOL AND 34% WATER.

< - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE BROOKS AFB TX 78235-5000 188

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910211 DEHL SAMPLE NO: 91011026

SAMPLE TYPE: NASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE PEPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test Results Limits EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910212

OEHL SAMPLE NO: 91011027

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Pesults | Units | EPA Method |
|--|-------------|--|---|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Hroclor 1260 Arsenic Cadmium Chromium | <pre></pre> | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/ku mg/k mg/ku mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7130 3010/7190 3010/7420 |
| Major components | 314 | | |

54 : See comment.

Comments:

SAMPLE IS 98% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 2% WATER. Signifies hone detected and the detection limits.

TO:

AL 10EBE BROOKS AFB | TK 78235-5000

PAGE 1:Sont'd: 190

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910212

OEHL SAMPLE NO: 91011027

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt. USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910213 OEHL SAMPLE NO: 91011028

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910226 DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

PESULTS

| | ··· | | · |
|---|---|--|--|
| lest | Results | Units | EPA Method |
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium Lead | <0.03 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <0.02 0.56 0.92 6.3 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kc mg/L mg/L mg/L | 3020/7060 3010/7130 3010/7190 3010/7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). < - Signifies none detected and the detection limits.

TU:

AL/OEBE BROOKS AFB | TX 78235-5000

192

PEPORT OF ANALYSIS

BASE SAMPLE NO: GT910213

OEHL SAMPLE NO: 91011028

SAMPLE TYPE: WASTE, HAZARDOUS TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910226

DATE REPORTED: 910531

DATE AMALYZED: 910312

SAMPLE SUBMITTED BY: USHF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EFA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: /

Michael J. Wantland, MSgt, USHF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910214

OEHL SAMPLE NO: 91011029

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| Flash Point (closed cup) | 110 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | <i>7</i> 470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.2 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 5.ù | - | 1110 |
| Cyanide (total) | <2.0 | | SW 946 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

Major components SN

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 89% ETHYLENE GLYCOL AND 11% WATER < - Signifies none detected and the detection limits.</p>

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000 |

194

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910214

OEHL SAMPLE NO: 91011029

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910215 OEHL SAMPLE NO: 91011030

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides | 95 SINC <0.5 <10.0 0.82 <0.5 <0.02 <0.1 <0.5 5.0 <2.0 <10.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | ··· = - | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 97% XYLENE AND 3% WATER.

< - Signifies none detected and the detection limits.

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

196

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910215

OEHL SAMPLE NO: 91011030

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED: 918312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910216

OEHL SAMPLE NO: 91011031

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides | 190 SINC <0.5 <10.0 <0.1 <0.5 <0.05 <0.02 <0.1 <0.5 7.0 <2.0 <10.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | | |

Major components

SINC : Sample is not corrosive.

511

: See comment.

TO:

AL/OEBE BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910216

OEHL SAMPLE NO: 91011031

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 50%) >99% WATER.

Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910217 OEHL SAMPLE NO: 91011032

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Flash Point (closed cup) | 97 | degrees F | 1010 |
| Corresivity | SINC | - | 1110 |
| Arsenic | <0.5 | mq/L | 3920/7060 |
| Barium | <10.0 | mq/L | 3010/2080 |
| Cadmium | 0.24 | mq/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 5.0 | • | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SN 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

TO:

AL/OEBE BROOKS AFB TX 78235.5000

PEFORT OF ANALYSIS

BASE SAMPLE NO: GT910217

OEHL SAMPLE NO: 91011032

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE AMALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPH Method

Comments:

SAMPLE IS (TOP 2%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 98%) / 99% WATER. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PEPORT OF ANALYSIS

BASE SAMPLE NO: GT910218

OEHL SAMPLE NO: 91011033

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED: 910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

REBULTS

| Test | Results | Units | EPA Method |
|--|---|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium Chromium | <pre><0.03 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1</pre> | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/L mg/L mg/L mg/L | 3020×7060 3010×7130 3010×7190 3010×7420 |
| Major components | SN | | |

SN : See comment.

Comments:

SAMPLE IS 79% PETROLEUM HYDROCARBONS AND 21% SURFACTANTS. < - Signifies none detected and the detection limits.

TO:

AL TOEBE 8800/8 AFR 177 7827548300 202

PAGE 1: Centid!

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910218

OEHL SAMPLE NO: 91011033

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE ANALYZED:

910312

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PAGE :

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910219

OEHL SAMPLE NO: 91011034

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|---|--|---|------------------------|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 Arsenic Cadmium | .23 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1 | degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 3020/7060 3010/7130 |
| Chromium Lead | 0.80 2.3 | mg/L mg/L | 3010/7190 3010/7420 |
| Maiaa | CN | | |

Major components SN

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). Signifies none detected and the detection limits.

TO:

AL/DEBE REDOKS AFB TY 79275-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910219

OEHL SAMPLE NO: 91011034

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

ASE SAMPLE NO: GS910221

OEHL SAMPLE NO: 91011036

AMPLE TYPE: SOIL

ITE IDENTIFIER:

DATE RECEIVED: 910308

ATE COLLECTED: 910227 DATE REPORTED: 910531

AMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | · | | |
|---------------------|---------|-------|-------------------|
| Test | Results | Units | EPA Method |
| rsenic | <0.5 | mg/L | 3020/7060 |
| larium | <10.0 | mg/L | 3010/70 90 |
| enzene | < 0.05 | mg/L | |
| Gadmium | < 0.1 | mg/L | 3010/7130 |
| arbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| hlorobenzene | <10.0 | mg∕L | |
| Chloroform | <0.5 | mg/L | |
| hromium | <0.5 | mg/L | 3010/7190 |
| ,4-Dichlorobenzene | <10.0 | mg/L | |
| ,2-Dichloroethane | < 0.05 | mg/L | |
| ,1-Dichloroethene | <0.05 | mg/L | |
| ,4-D | ИP | mg/L | |
| ,4-Dinitrotoluene | <10.0 | mg/L | |
| Indrin | NP | mg/L | |
| leptachlor | NP | mg/L | |
| lexachlorobenzene | <10.0 | mg/L | |
| lexachlorobutadiene | <10.0 | mg/L | |
| lexachloroethane | <10.0 | mg/L | |
| .ead | 0.88 | mg/L | 3010/7420 |
| indane | NP | mg/L | |
| lercury | <0.02 | mg/L | 7470 |
| ethoxychlor | NP | mg/L | |
| ethyl Ethyl Ketone | <20. | mg/L | |
| itrobenzene | <10.0 | mg/L | |
| entachlorophenol | <10.0 | mg/L | |
| elenium | < 0.1 | mg/L | 3020/7740 |
| -Cresol | <20. | mg∕L | |
| | | - | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910221 DEHL SAMPLE NO: 91011036

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|--|--|--|
| o-Cresol p-Cresol Pyridine Silver Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol | <20. <20. <10.0 <0.5 NP <0.02 <0.05 <0.05 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3010/7760 |
| 2,4,6-Trichlorophenol Silvex Flash Point (closed cup) Corrosivity Hydrogen ion (pH) Cyanide (total) Sulfides | <10.0 NP >200 SINC 7.0 <2.0 <10.0 | mg/L mg/L degrees F | 1010 1110 1110 5W 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | mg/ c | Jw 040 JEC 0.7 |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910221

OEHL SAMPLE NO: 91011036

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS (TOP 70%) >99% WATER. (BOTTOM 30%) 61% WATER, 31% HEAUY PETROLEUM GEL AND 8% INORGANIC SALT. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF AMALYSIS

BASE SAMPLE NO: GS910222

OEHL SAMPLE NO: 91011037

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

TO:

AL/OEBE

BPOOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222

OEHL SAMPLE NO: 91011037

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|----------------|----------------------|------------|
| o-Cresol p-Cresol Pyridine | NP NP NP | mg/L mg/L mg/L | |
| Silver Toxaphene | NP NP NP | mg/L mg/L | 3010/7760 |
| Vinyl Chloride Trichloroethylene Tetrachloroethylene | NP NP | mg/L mg/L mg/L | |
| 2,4,5-Trichlarophenol 2,4,6-Trichlarophenol Silvex | NP NP NP | mg/L mg/L mg/L | |
| Major components | SN | 3 | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 20%) 97% WATER AND 3% PETROLEUM HYDROCARBON OIL. (BOTTOM 30%) 82% WATER, 14% ORGANIC SOIL (HUMIS) AND 4% INORGANIC SALTS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222

OEHL SAMPLE NO: 91011037

SAMPLE TYPE:

SOIL

SITE 'DENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|---------------------|---------|-------|
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma/L |
| Barıum | <10.0 | ma/L |
| Benzene | <0.005 | ma/L |
| 2,4-0 | NP | ma/L |
| Endrin | NP | ma/L |
| Heptachlor | NP | ma/L |
| Lindane | NP | ma/L |
| Methoxychlor | NP | ma/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lead | <0.5 | ma/L |
| Mercury | 0.04 | ma/L |
| Methyl Ethyl Ketone | 0.23 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Selenium | <0.1 | ma/L |
| m-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | mo/L |
| p-Cresol | <.10 | mq/L |
| Pyridine | <.10 | ma/L |
| Toxachane | NP | ma/L |
| Silvex | NP | mg/L |
| Silver | <0.5 | ma/L |
| Trichloroethulene | <0.005 | mg/L |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222 OEHL SAMPLE NO: 91011037

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|-----------------------|---------|--------------|
| Cadmium | 0.14 | ma/L |
| Carbon Tetrachloride | <0.005 | ma/L |
| Chlorobenzene | <.010 | ma/L |
| Chloroform | <0.005 | ma/L |
| Chromium | <0.5 | ma/L |
| 1.4-Dichlorobenzene | <.10 | ma/L |
| 1,2-Dichloroethane | <0.005 | ma/L |
| 1.1-Dichloroethene | <0.005 | ma/L |
| 2.4-Dinitrotoluene | < .10 | ma/L |
| Vinul Chloride | <.010 | ma/L |
| Tetrachloroethylene | <.005 | ma/L |
| 2.4.5-Trichlarophenol | < .10 | ma/L |
| 2,4.6-Trichlorophenol | < .10 | ma/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910222

OEHL SAMPLE NO: 91011037

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE IS (TOP 20%) 97% WATER AND 3% PETROLEUM HYDROCARBON OIL. (BOTTOM 30%) 82% WATER. 14% ORGANIC SOIL (HUMIS) AND 4% INORGANIC AMENDED REPORT TO REFLECT RESULTS FOR SALTS.

TCLP ANALYSIS.

Stanifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed bu:

Michael J. Wantland, MSot, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 DEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Cadmium | <0.1 | ma/L |
| Chlordane | NP | ma/L |
| Arsenic | <0.5 | ma/L |
| Barium | <10.0 | ma/L |
| 2.4-D | NP | ma/L |
| Endrin | NP | mo/L |
| Chromium | <0.5 | ma/L |
| 1.4-Dichlorobenzene | <.10 | ma∕L |
| Heotachlor | NP | ma/L |
| Lindane | NP | ma/L |
| Methoxuchlor | NP | ma/L |
| Hexachlorobenzene | < .10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lead | <0.5 | ma/L |
| Methul Ethul Ketone | 0.29 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Selenium | <0.1 | ma/L |
| m-Cresol | < .10 | ma/L |
| o-Cresol | <.10 | ma/L |
| o-Cresol | < . 10 | ma/L |
| Puridine | < .10 | ma/L |
| Toxaphene | NР | ma/L |
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| | | |

TO:

AL/DEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---|--------------|--|
| Trichloroethulene Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1.2-Dichloroethane 1.1-Dichloroethene 2.4-Dinitrotoluene Mercuru Vinul Chloride Tetrachloroethulene | <pre></pre> | ###################################### |
| 2.4.5-Trichlorophenol 2.4.6-Trichlorophenol | <.10 <.10 | ma∕L m a∕L |

Major components SN

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223

OEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPL SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE IS (TOP 10%) 95% WATER AND 5% PETROLEUM HYDROCARBON GIL. (BOTTOM 90%) 60% WATER, 38% ORGANIC SOIL (HUMIS) AND 2% INORGANIC SALTS. AMENDED REPORT TO REFLECT RESULTS FOR

TCLP ANALYSIS.

Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants. Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223

DEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 DEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|----------------------|---------|--------------|------------|
| Ansenio | NP | ma/L | 3020/7060 |
| Barıum | NP | mq/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | 11P | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mq/L | |
| Chlordane | 11P | mg/L | |
| Chlorobenzene | NP | ma/L | |
| Chloroform | NP | ma/L | |
| Chromium | NP | mg/L | 3010/7190 |
| l,4-Dichlorobenzene | NР | mg/L | |
| 1,2-Dichloroethane | NP | ma/L | |
| l,1-Dichloroethene | NP | mg∠L | |
| 2,4-0 | NP | ma/L | |
| 2,4-Dinitrotaluene | MP | mq/L | |
| Endrin | NP | mg L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | HP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg /L | 3010/F420 |
| Lindane | ИP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | ИP | mq/L | |
| Nitrobenzene | NP | ma L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mq/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/CEBE

BROOKS AFB IX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910223 OEHL SAMPLE NO: 91011038

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| o-Cresol | NP | mg/L | |
| p-Cresol | ИP | mq/L | |
| Pyridine | i1P | må∠L | |
| Silver | NP | mq /L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Uinyl Chloride | NP | mq/L | |
| Trichloroethylene | NP | mq/L | |
| Tetrachloroethylene | NP | ma /L | |
| 2,4,5-Trichlorophenol | NP | mq/L | |
| 2,4,6-Trichlorophenol | NP | mq/L | |
| Silvex | ИP | mg/L | |
| Major components | 514 | | |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE IS (TOP 10%) 95% WATER AND 5% PETROLEUM HYDROCARBON OIL. (BOTTOM 90%) 60% WATER, 38% ORGANIC SOIL (HUMIS) AND 2% INDRGANIC SALTS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224

OEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | ·· | |
|----------------------|---------|--------------|------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Arsenic | NP | mg/L | 3020/7060 |
| Barıum | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmıum | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chidroform | NP | mg/L | |
| Chromium | NP | mg /L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg∕L | |
| 1,1-Dichloroethene | ИP | mg/L | |
| 2,4-0 | NP | mg/L | |
| 2,4-Dinitrataluene | 11P | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |
| | | - | |

TO:

AL/UEBE

BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 DEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|------------|
| o-Cresol | ИP | mq/L | |
| p-Cresol | NP | ma/L | |
| Pyridine | HР | mq/L | |
| Silver | NP | mq / L | 3010/7760 |
| Toxaphene | NP | mq/L | |
| Vinyl Chloride | NP | mq/L | |
| Trichloroethylene | NP | mg/L | |
| Tetrachloroethylene | ΝР | mq/L | |
| 2,4,5-Trichlorophenol | HР | mq/L | |
| 2,4,6-Trichlorophenol | NP | ma L | |
| Silvex | МP | mg/L | |
| Major components | 511 | | |

NP : Test Not Performed

SII : See comment.

Comments:

SAMPLE IS (TOP 2%) 95% LIGHT PETROLEUM HYDROCARBON DIL AND 5% WATER. (MIDDLE 8%) 100% WATER. (BOTTOM 90%) 48% WATER, 37% ORGANIC SOIL (HUMIS), 13% INORGANIC SSALTS AND 2% LIGHT PETROLEUM HYDROCARBON DIL.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224

OEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224

OEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma/L |
| Barium | <10.0 | mq/L |
| Benzene | 0.52 | ma/L |
| Cadmium | <0.1 | mo/L |
| 2.4-D | NP | ma/L |
| Endrin | NP | ma/L |
| Chromium | <0.5 | mo/L |
| 1,4-Dichlorobenzene | <.10 | ma/L |
| 1.2-Dichloroethane | <0.005 | ma/L |
| Heptachlor | NP | ma/L |
| Lindane | NP | ma/L |
| Methoxychlor | NP | ma/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lead | 0.66 | ma/L |
| Methul Ethul Ketone | 0.31 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Selenium | <0.1 | ma/L |
| m-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma/L |
| p-Cresol | <.10 | ma/L |
| Puridine | <.10 | ma/L |
| Toxaphene | NP | ma/L |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224 DEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|-----------------------|---------|--------------|
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| Carbon Tetrachloride | <0.005 | mo/L |
| Chlorobenzene | <.010 | ma/L |
| Chloroform | <0.005 | mo/L |
| 1.1-Dichloroethane | <0.005 | ma/L |
| 2,4-Dinitrotoluene | <.10 | ma/L |
| Mercury | <0.02 | ma/L |
| Vinul Chloride | <.010 | ma/L |
| Trichloroethylene | <0.005 | ma/L |
| Tetrachloroethylene | 0.009 | ma/L |
| 2.4.5-Trichlorophenol | <.10 | ma/L |
| 2.4.6-Trichlorophenol | <.10 | ma/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910224

OEHL SAMPLE NO: 91011039

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE IS (TOP 2%) 95% LIGHT PETROLEUM HYDROCARBON OIL AND 5% WATER. (MIDDLE 8%) 100% WATER. (BOTTOM 90%) 48% WATER. 37% ORGANIC SOIL (HUMIS). 13% INORGANIC SSALTS AND 2% LIGHT PETROLEUM HYDROCARBON DIL. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland. MSqt, USAF NCDIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma/L |
| Barıum | <10.0 | ma/L |
| Benzene | <0.005 | ma∕L |
| 1,2-Dichloroethane | NP | ma/L |
| 2.4-D | NP | ma/L |
| Endrin | NP | ma/L |
| Heptachlor | NP | ma/L |
| Lindane | NP | ma/L |
| Methoxuchlor | NP | ma/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | < .10 | ma/L |
| Hexachloroethane | < .10 | ma/L |
| Lead | <0.5 | ma/L |
| Methul Ethul Ketone | 0.31 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Selenium | <0.1 | ma/L |
| m-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma/L |
| Puridine | <.10 | ma/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| Trichloroethulene | <0.005 | ma/L |

TO:

AL/DEBE BROOKS AFB TX 78235~5000

REPORT OF ANALYSIS

BASE SAMPLE NO: G5910225 OEHL SAMPLE NO: 91011040

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|-----------------------|---------|--------------|
| Cadmium | 2.4 | ma/L |
| Carbon Tetrachloride | <0.005 | ma/L |
| Chlorobenzene | <.010 | ma/L |
| Chloroform | <0.005 | ma/L |
| Chromium | <0.005 | ma/L |
| 1.4-Dichlarabenzene | <.10 | ma/L |
| 1.1-Dichloroethene | <0.005 | ma/L |
| 2.4-Dinitrotoluene | <.10 | ma/L |
| Mercury | <0.02 | ma/L |
| Vinul Chloride | <.010 | ma/L |
| Tetrachloroethylene | <0.005 | ma/L |
| 2.4.5-Trichlorophenol | <.10 | ma/L |
| 2.4.6-Trichlorophenol | <.10 | ma/L |
| | | |

Major components SN

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225

OEHL SAMPLE NO: 91011040

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPE

RESULTS

Test

Results <u>Units</u>

Comments:

SAMPLE IS 60% INORGANIC SOIL. 23% ORGANIC SOIL. 16% WATER AND 1% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. < - Signifies none detected and the detection limits.

All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants. Inc.

Reviewed by:

Michael J. Wantland, MSot, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 OEHL SAMPLE NO: 91011040

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|-------------|--------------|-------------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Arsenic | NP | mg/L | 3020/7060 |
| Barium | NP | mg/L | 3010 /7080 |
| Benzene | NP | mg∠L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | ИP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloraform | NP | mg∠L | |
| Chromium | ИP | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1.1-Dichloroethene | NP | mg⊿l. | |
| 2,4-D | MP | mg/L | |
| 2,4-Dinitrotoluene | NP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg/L | 3 010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | NP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |
| | | | |

TO:

AL/OEBE PAGE 1(Cont'd)

BROOKS AFB TX 78235-5000

PEPORT OF ANALYSIS

BASE SAMPLE NO: GS910225 DEHL SAMPLE NO: 91011040

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SHIPLE SUBMITTED BY: USAF RGN HOSP ELMEMOORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|-----------------------------|----------|--------------|------------|
| o-Cresol p-Cresol | NP NP | mg/L mg/L | |
| Pyridine | NP | mg/L | |
| Silver | NF | mg L | 3010 7750 |
| Toxaphene U:nvl Chloride | NP NP | mg/L mg/L | |
| Trichloroethylene | 14P | mg /L | |
| Tetrachloroethylene | NP | m₫/L | |
| 2,4,5-Trichlorophenol | MР | mg/L | |
| 2,4.o-Trichlorophenol | NP NP | mg/L | |
| Silvex | 141- | mg/L | |
| Major components | 511 | | |

: Test Not Performed

SN : See comment.

Comments:

SAMPLE IS 60% INORGANIC SOIL, 23% ORGANIC SOIL, 16% WATER AND 1% PETROLEUM HYDROCARBONS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910225

OEHL SAMPLE NO: 91011040

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results

Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: Z

Michael J. Wantland, MSgt, USAF

NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 DEHL SAMPLE NO: 91011041

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | <u>Units</u> |
|---------------------|---------|--------------|
| Arsenic | <0.5 | ma/L |
| Chlordane | NP | ma/L |
| Barium | <10.0 | ma/L |
| Benzene | <0.005 | ma/L |
| 2.4-D | NP | ma/L |
| Endrin | NP | ma/L |
| Heptachlor | NP | ma∕L |
| Lindane | NP | ma/L |
| Mercury | NP | ma∠L |
| Methoxuchlor | NP | ma/L |
| Hexachlorobenzene | <.10 | ma/L |
| Hexachlorobutadiene | <.10 | ma/L |
| Hexachloroethane | <.10 | ma/L |
| Lead | <0.5 | ma/L |
| Methol Ethol Ketone | 0.32 | ma/L |
| Nitrobenzene | <.10 | ma/L |
| Pentachlorophenol | <.50 | ma/L |
| Selenium | <0.1 | maj∕L |
| m-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma/L |
| o-Cresol | <.10 | ma/L |
| Pyridine | <.10 | ma/L |
| Toxaphene | NP | ma/L |
| Silvex | NP | ma/L |
| Silver | <0.5 | ma/L |
| Tetrachloroethvlene | <0.005 | ma/L |

TO:

AL/DEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 OEHL SAMPLE NO: 91011041

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

| Test | Results | Units |
|-----------------------|---------|-------|
| Cadmium | <0.1 | ma/L |
| Carbon Tetrachloride | <0.005 | ma/L |
| Chlorobenzene | <.010 | ma/L |
| Chloroform | <0.005 | ma/L |
| Chromium | <0.5 | ma/L |
| 1.4-Dichlorobenzene | <.10 | ma/L |
| 1.2-Dichloroethane | <0.005 | ma/L |
| 1.1-Dichloroethene | <0.005 | ma/L |
| 2.4-Dinitrotoluene | <.10 | ma/L |
| Vinul Chloride | <.010 | ma/L |
| Trichloroethulene | <0.005 | ma/L |
| 2.4.5-Trichlorophenol | < .10 | ma/L |
| 2.4.6-Trichlorophenol | <.10 | mo/L |
| Major components | SN | |

NP : Test Not Performed

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226

OEHL SAMPLE NO: 91011041

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

DATE REPRINTED: 910729

SAMPLE SUBMITTED BY: 11TH AFMC/SGPB

RESULTS

Test

Results Units

Comments:

SAMPLE SI (TOP 10%) >99% WATER. (BOTTOM 90%) 51% INORGANIC SALTS. 26% SOIL. 21% WATER AND 2% PETROLEUM HYDROCARBONS. AMENDED REPORT TO REFLECT RESULTS FOR TCLP ANALYSIS. Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, inc.

Reviewed by

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 DEHL SAMPLE NO: 91011041

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|---------|--------------|--------------|
| Test | Results | <u>Units</u> | EPA Method |
| Arsenic | NP | mg/L | 3020/7060 |
| Barıum | NP | mg/L | 3010/7080 |
| Benzene | NP | mg/L | |
| Cadmium | NP | mg/L | 3010/7130 |
| Carbon Tetrachloride | NP | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | NP | mg/L | |
| Chloroform | NР | mg/L | |
| Chromium | NP | mg/L | 3010/2190 |
| 1,4-Dichlorobenzene | NP | mg/L | |
| 1,2-Dichloroethane | NP | mg/L | |
| 1,1-Dichloroethene | ИP | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | ИP | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | ИP | mg/L | |
| Hexachlorobenzene | NP | mg/L | |
| Hexachlorobutadiene | NP | mg/L | |
| Hexachloroethane | NP | mg/L | |
| Lead | NP | mg ∕′L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | NP | mg ∕L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | HP | mg/L | |
| Nitrobenzene | NP | mg/L | |
| Pentachlorophenol | NP | mg/L | |
| Selenium | NP | mg/L | 3020/7740 |
| m-Cresol | NP | mg/L | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226 DEHL SAMPLE NO: 91011041

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910227 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---------------------------------------|--|------------|
| o-Cresol p-Cresol Pyridine Silver Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3010 17760 |
| Major components | S14 | | · |

NP : Test Not Performed

SN : See comment.

Comments:

SAMPLE SI (TOP 10%) >99% WATER. (BOTTOM 90%) 51% INORGANIC SALTS, 26% SOIL, 21% WATER AND 2% PETROLEUM HYDROCARBONS.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910226

OEHL SAMPLE NO: 91011041

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910227

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

<u>EPA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227

OEHL SAMPLE NO: 91011042

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|---------------|--------------|-------------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmıum | 0.10 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | < 5. 0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010 /7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg∠L | |
| 1,2-Dichloroethane | <5.U | mg/L | |
| 1,1-Dichloraethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | < 100 | mg/L | |
| • | | - | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227

OEHL SAMPLE NO: 91011042

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|---|--|--|--|
| Pentachlorophenol Pyridine Selenium Silver Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex Flash Point (closed cup) Corrosivity | <10.0 <10.0 <0.1 <0.5 NP <10.0 <5.0 <5.0 <40. <10.0 NP >200 SINC | Units mg/L degrees F | 3020/7740 3010/7760 1010 1110 |
| Hydrogen ion (pH) Cyanide (total) Sulfides | 6.0 <2.0 <10.0 | mg/L | 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910227

OEHL SAMPLE NO: 91011042

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS (TOP 10%) >99% PETROLEUM DIL (MOTOR). (BOTTOM 90%) >99% WATER.

< - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Mistner Consultants, Inc.

Reviewed by: /

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910228

OEHL SAMPLE NO: 91011043

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|------------|
| Total organic halides | . ó l | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Arsenic | <0.02 | mg /L | 3020/7060 |
| Cadmium | 0.24 | mg /L | 3010/7130 |
| Chromium | 9.8 | mg /L | 3010/7190 |
| Lead | 0.35 | mg /L | 3010/7420 |
| Major components | SH | | |

SN : See comment.

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS. < - Signifies none detected and the detection limits.</p>

TO:

242

HE DEBE BROOKS HER T 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910228 DEHL SAMPLE NO: 9:011043

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 9 0531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDOPF/SGPB

RESULTS

Test Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PAGE 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|-----------|------------|
| Methoxychlor | NP | mg/L | |
| Flash Point (closed cup) | 92 | degrees F | 1010 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.Ů | mg/L | |
| Cadmium | 0.94 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.υ | mg∕L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | m⊈ /L | |
| p-Cresol | <20. | mg√L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg 1L | |
| 1,1-Dichloroethene | <5.U | mg∠L | |
| 2,4-D | NP | mg /L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg ∕L | |
| Heptachlor | ИP | mg /L | |
| Hexachlorobenzene | <10.0 | mg∠L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | < 10.0 | mg/L | |
| Lead | 2.2 | mg 'L | 3010/7420 |
| Lindane | NP | mg√L | |
| Nitrobenzene | <10.0 | mg≀L | |
| Mercury | <0.02 | mg∕L | 7470 |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|-----------------------|---------|-------------|----------------|
| Test | Results | Units | EPA Method |
| Methyl Ethyl Ketone | < 100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg∠L | |
| Silvex | NP | mg/L | |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 346 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910229 OEHL SAMPLE NO: 91011044

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 60%) >99% LIGHT PETROLEUM SPIRITS (DEGREASER). (BOTTOM 40%) 94% WATER AND 6% PETROLEUM HYDROCARBONS. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230 DEHL SAMPLE NO: 91011045

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|----------------------|--------------|--------------|-------------------|
| Lead | 0.22 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020 /7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | 42 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 17 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.U | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg∠L | |
| 1,2-Dichloroethane | < 5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-0 | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg∕L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlar | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.C | m g/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230 OEHL SAMPLE NO: 91011045

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test Results Units EPA Method Pentachlorophenol <10.0 mg/L Pyridine <10.0 mg/L Selenium <0.1 mg/L Silver <0.5 mg/L Toxaphene NP mg/L Vinyl Chloride <10.0 mg/L Trichloroethylene <5.0 mg/L | | | | |
|--|---|---|---|--|
| Pyridine <10.0 | <u>Test</u> | Results | <u>Units</u> | EPA Method |
| 7 Tetrachloroethylene (5.0 mg/L 2,4,5-Trichlorophenol (40. mg/L 2,4,6-Trichlorophenol (10.0 mg/L Silvex NP mg/L Flash Point (closed cup) > 200 degrees F 1010 Corrosivity SINC Hydrogen ion (pH) 7.0 mg/L Cyanide (total) 3W 846 SEC 8.3 | Pentachlorophenol Pyridine Selenium Silver Toxaphene Uinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex Flash Point (closed cup) Corrosivity Hydrogen ion (pH) | <10.0 <10.0 <0.1 <0.5 NP <10.0 <5.0 <5.0 <40. <10.0 NP >200 SINC 7.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3020/7740 3010/7760 1010 1110 1110 |
| Sulfides <10.0 mg/L SW 846 SEC 8.3 | • | | mg/L | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910230

OEHL SAMPLE NO: 91011045

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results Units EPA Method

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM DIL (MOTOR). (BOTTOM 50%) 95% WATER AND 5% PETROLEUM FUEL (JET). Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PAGE 3

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231 OEHL SAMPLE NO: 91011046

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | <u>EPA Method</u> |
|----------------------|---------|--------------|-------------------|
| Methoxychlor | ИP | mg/L | |
| Tetrachloroethylene | 17 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | <i>3</i> 010/7080 |
| Benzene | 26 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.Û | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | 170 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| l,4-Dichlorobenzene | < 10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| deptachlor | NP | mg/L | |
| dexach lorobenzene | <10.0 | mg/L | |
| dexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| _ead | 0.60 | mg/L | 3010/7420 |
| indane | NP | mg/L | |
| Vitrobenzene | <10.0 | mg/L | |
| 1ercury | <0.02 | mq/L | 7470 |

TO:

AL/OEBE PAGE 1(Cont'd)

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231 OEHL SAMPLE NO: 91011046

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|---------------------------------|----------------|--------------|----------------------------------|
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol Pyridine | <10.0 <10.0 | mg/L mg/L | |
| Selenium | < 0.1 | mg/L | 3020/7740 |
| Silver Toxaphene | <0.5 NP | mg/L mg/L | 3010/7760 |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol Silvex | <10.0 NP | mg/L mg/L | |
| Flash Point (closed cup) | | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) Sulfides | <2.0 <2.0 | mg/L | SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910231

OEHL SAMPLE NO: 91011046

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 25%) 95% MEK, 3% UNIDENTIFIED AND 2% WATER. (BOTTOM 75%) 100% WATER. Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910232

OEHL SAMPLE NO: 91011047

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910515

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | <u> Pesults</u> | <u>Units</u> |
|----------|-----------------|--------------|
| Arsenic | <0.5 | mq/L |
| Barium | <10.0 | mg/L |
| Cadmium | 1.5 | ma/L |
| Chromium | <0.5 | mq/L |
| Lead | < 0.5 | mg∠L |
| Mercury | <0.02 | mg/L |
| Selenium | < 0.1 | mg/L |
| Silver | <0.5 | mg/L |
| | | |

Lu. ts:

5 - Signifies none detected and the detection limits. All methods conform to those required by SW 846.

Analyzed by: Raba-Kistner Consultants, Inc.

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

TO:

Dat 6 AL/ED BROOKS AFB TX 78235-5000 PAGE 1

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234 OEHL SAMPLE NO: 91011048

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|----------------------|---------|--------------|-------------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010 /7080 |
| Benzene | 0.08 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | < 0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | <0.05 | mg/L | |
| 2,4-0 | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Entrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | < 0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 30 10/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg∕L | |
| Pentachlorophenol | <10.0 | mg ⁄ L | |
| Selenium | <0.1 | mg∠L | 3 020/7740 |
| m-Cresol | <20. | mg/L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234 OEHL SAMPLE NO: 91011048

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|--|--|--------------------------------------|--|
| Test | Results | <u>Units</u> | EPA Method |
| o-Cresol p-Cresol Pyridine Silver | <20. <20. <0.5 <0.5 | mg/L mg/L mg/L mg/L | 3010/77e3 |
| Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol | NP <0.02 <0.05 <0.05 <40. <0.2 | mg/L mg/L mg/L mg/L mg/L | J010///60 |
| Silvex Flash Point (closed cup) Corrosivity Hydrogen ion (pH) Cyanide (total) Sulfides | NP >200 SINC 7.0 <2.0 <10.0 | mg/L degrees F mg/L | 1010 1110 1110 SW 846 SEC 3.3 SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910234

OEHL SAMPLE NO: 91011048

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u>

EPA Method

Comments:

SAMPLE IS 45% INORGANIC SALTS, 28% PETROLEUM HYDROCARBONS (DIESEL/JET) AND 27% WATER. < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 OEHL SAMPLE NO: 9:011049

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mg /L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mq/L | |
| Chromium | < 0.5 | mg/L | 3010/2190 |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <0.05 | mg/L | |
| 1,1-Dichloroethene | < 0.05 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg//L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg./L | |
| Nitrobenzene | <0.2 | mg∠L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium . | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |
| | | | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000 257

PAGE 1(Cant'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 OEHL SAMPLE NO: 91011049

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|--|---|--|
| o-Cresol p-Cresol Pyridine Silver Toxaphene Vinyl Chloride Trichloroethylene Tetrachloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Silvex Flash Point (closed cup) | <20. <20. <0.5 <0.5 NP <0.02 <0.05 <0.05 <40. <0.2 NP >200 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3010/7760 1010 |
| Corrosivity Hydrogen ion (pH) Cyanide (total) Sulfides | SINC 9.0 <2.0 <10.0 | mg/L | 1110 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910235 DEHL SAMPLE NO: 91011049

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

REBULTS

<u>Test</u>

Results Units

EPA Method

Comments:

SAMPLE IS 43% WATER, 30% INORGANIC SLUDGE, 26% INORGANIC SALTS AND 1% PETROLEUM HYDROCARBONS (MOTOR DIL). < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 51/1

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236 OEHL SAMPLE NO: 91011050

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Arsenic | <0.5 | mq/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | <0.1 | mq/L | 3010/7130 |
| Carbon Tetrachloride | <0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mq/L | |
| Chromium | <0.5 | mq/L | 3010/7190 |
| 1,4-Dichlorobenzene | <ひ.フ | mq/L | • |
| 1,2-Dichloroethane | < 0.05 | mq/L | |
| 1,1-Dichloroethene | <0.05 | mq/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mq/L | |
| Eńdrin | NP | mg∕L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg /L | |
| Hexachlorobutadiene | <0.05 | mg∠L | |
| dexachloroethane | < 0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| 1ercury | <0.02 | mq/L | 7470 |
| 1ethoxýchlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mq/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mq/L | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000 PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236 DEHL SAMPLE NO: 9/011050

SAMPLE TYPE: 301L

SITE IDENTIFIER: DATE RECEIPED: 910303

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGM HOSP ELME 100PF/SGPB

RESULTS

| Test | Results | <u>Uaits</u> | EFA Method |
|--------------------------|------------|--------------|-------------------------|
| o-Cresol | <20. | Mg/L | |
| p-Cresol | <20. | mg 'L | |
| Pyridine | <0.5 | maj/L | |
| Silver | <0.5 | mg/L | F010/7760 |
| Toxaphene | MP | mg / L | |
| Uinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.35 | mg /L | |
| Tetrachloroethylene | 10.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg · L | |
| 2,4,5-Trichlorophenel | 10.2 | mg/L | |
| Silvex | · 16 | ကရွ်းကို | |
| Flash Point (closed cup) | 200 | dagrees F | 1010 |
| Carrasivity | SINC | - | 1110 |
| Hydrogen ion (ph) | 10.0 | | |
| Cyanide (total | 2.) | | 34 946 3 E C 8.3 |
| Sultides | 410.0 | mg - L | 54 845 SEC 8.3 |
| Major components | 511 | | |

NP : Test Not Performed

SIMD : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910236

DEAL SAMPLE NO: 91011050

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910388

DATE COLLECTED: 910028

DATE REPORTED: 9:0571

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Mathid

Comments:

SAMPLE IS 70% WHITER, 24% AMMONIA COMPOUNDS, 5% INDROHNII SHLTS AND 1% PETROLEUM HYDPOCHPBONS (LIGHT DIL).

- Signifies none detected and the detection limits.

Hnalyzed by: Raba-kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USHF NUOTO Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910237

OEHL SAMPLE NO: 91011051

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE PEPORTED: 910531

SAMPLE BUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Uriit</u> | EPA Method |
|----------------------|------------------|--------------|------------|
| hrsenic | 0.5 | mg/L | 3020-7050 |
| Barium | 410.0 | mg /L | 3010 7980 |
| Benzene | 36 | mg/⊑ | |
| Cadmium | <0.1 | mg∠L | 3010 7130 |
| Carbon Tetrachloride | <5.8 | mg / L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg⊹L | |
| Chloroform | 15.0 | mg/L | |
| Chromium | 0.5 | mg∘L | 7010 T120 |
| 1,4-Dichlorobenzene | :10.0 | mg/L | |
| 1,2-Dichloroethane | 5.0 | mg. L | |
| l,l-Dichlorpethene | 5.0 | ಗುದ್ದ ಿL | |
| 2,4-0 | . 1 b | mg L | |
| 2.4-Dinitrotoluene | 10.0 | mg·L | |
| Endrin | иP | mg / L | |
| Heptachlor | 11P | mg L | |
| Herachlorobenzene | 10.0 | mg∠L | |
| Hexachlorobutadiene | < 10.0 | ma L | |
| Hexachloroethane | 10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | 11P | mg/L | |
| Menduny | <0.02 | mq∠L | 7470 |
| Methoxychlor | 11P | mg/L | |
| Methol Ethyl Ketone | < 100 | mg L | |
| Nitrobenzene | 10.0 | mg/L | |
| Pentachlorophenol | 10.0 | mg L | |
| Selenium | < 0.1 | mg L | 3020 TT40 |
| m-Chesol | -20. | mg L | |

TD:

HL DEBE BROOMS AFB TK 78235-4030 Page 1:Contid:

PEPORT OF ANALYSIS

BASE SAMPLE NO: GS910037 DEHL SAMPLE NO: 91011051

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSE ELMENDORF/SGPB

RESULTS

| <u>[est</u> | Results | <u>Units</u> | EPA Method |
|--------------------------|-------------|--------------|----------------|
| o-Cresol | ·20. | mg/L | |
| p-Cresol | (20. | mg/L | |
| Pyridine | 10.0 | mg/L | |
| Silver | <0.5 | mg /L | 3010/7760 |
| Toxaphene | 14P | mg∠L | |
| Vinyl Chloride | <10.0 | mg L | |
| Trichloroethylene | 3.5 | mg∠L | |
| Tetrachloroethylene | 5.0 | mg/L | |
| 2,4,5-Trichlorophenol | 4Ů. | mg (L | |
| 2,4.6-Trichloropheno. | <10.0 | mq < L | |
| Silvex | HP | mg - L | |
| Flash Foint (closed cup! | : Q 0 0 | degrees F | 1010 |
| Corresivity | 51HC | | 1110 |
| Hidrogen ion (pH) | 6.0 | | 1110 |
| | 2.0 | | SW 8⊶6 3EC 8.3 |
| Sulfides | <10.0 | ma L | SW 846 SED 8.3 |
| M | = 11 | | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910237

DEHL SHMPLE NO: 91011051

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 9:0308

DATE COLLECTED: 910228

DATE REPORTED: 910971

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF SGPB

RESULTS

Test

Results Units

EPA Mathad

Comments:

SAMPLE IS 194% NATER.

- Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, inc.

Reviewed by:

Michael J. Wantland, MSst. USHF NOBIC Technical Operation- Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: G5940238 - OEHL SAMPLE NO: 91011092

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGH HOSP ELMEMDORF/SGPB

PESULTS.

| - | | | |
|----------------------|--------------------|--------------|----------------------------|
| Test | Pasu.⁺s | <u>Unite</u> | <u>EPA Method</u> |
| Methoxychlor | ₽₽ | mg/L | |
| Arsenic | <0.5 | mg/L | 3020×7060 |
| Barıum | <10.0 | mg/L | 3010 / 7 080 |
| Benzene | < 5.0 | mg/L | |
| Cadmium | < 0.1 | mg∠L | 3010/7139 |
| Carbon Tetrachloride | < 5. Ü | mg/L | |
| Chlordane | 11P | mq/L | |
| Chlorobenzene | <10.0 | mc/L | |
| Chloroform | ្ទ.រ | mq/L | |
| Chromium | 0.5 | ma/L | 3010.7190 |
| l,4-Dichloropenzene | 0.7 | mg L | |
| 1,2-Dichlorcethane | 75.0 | mg/L | |
| l.1-Dichlorsethere | < 5 .0 | mg/L | |
| 2,4-0 | NP | mg L | |
| 2,4-Dinitrotoluene | 70.02 | mg/L | |
| Endrin | 115 | mg∠L | |
| Heptachlor | ₽₽ | mg∠L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | < 0.05 | mg∠L | |
| Hexachloroethane | <0.3 | mg∠L | |
| Lead | <0.5 | mg/L | 301J /7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.32 | mg∠L | 7470 |
| Methyl Ethyl Ketone | 4100 | mg√L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg∠L | |
| Selenium | ₹0.1 | ma L | 302977740 |
| m-Cresol | <20. | ma L | |

TG:

HU OSBE ВРООИЗ HEB - TV 78235-5000 PAGE 1 Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910238 OEHL SAMPLE NO: 91011052

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910238

OEHL SAMPLE NO: 91011052

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS 48% INORGANIC MATERIAL, 34% WATER, 17% PAINT RESINS AND 1% PETROLEUM HYDROCARBONS.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 4

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239 OEHL SAMPLE NO: 91011053

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 12 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | < 0.05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg∠L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.7 | mg∠L | |
| 1,2-Dichloroethane | < 0.05 | mg/L | |
| 1.1-Dichloroethene | <0.05 | mg (L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg (L | |
| | | - | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1: Cont'd/

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239

OEHL SAMPLE NO: 91011053

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| | | | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <2Ú. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | ИP | mg/L | |
| Vinyl Chloride | <0.02 | mg/L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | MP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Cerrosivity | SINC | | 111Ū |
| Hydragen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| | | | |
| M | | | |

Major components SN

NP : Test Not Performed

SINC

: Sample is not corrosive.

SN

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910239

OEHL SAMPLE NO: 91011053

SAMPLE TYPE:

SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS 41% WATER, 33% INORGANIC SALTS AND 26% OPGANIC SOIL (HUMIS).

Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240 OEHL SAMPLE NO: 91011054

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|----------------------|----------------|--------------|------------|
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | <0.05 | mg/L | |
| Cadmium | < 0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | < 0. 05 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <0.5 | mg/L | |
| Chromium | < 0.5 | mg/L | 3010/7190 |
| 1,4-Dichlorobenzene | <0.フ | mg/L | |
| 1,2-Dichloroethane | < 0. 05 | mg/L | |
| 1,1-Dichloroethene | < 0.05 | mg∠L | |
| 2;4-D | 11P | mg/L | |
| 2,4-Dinitrotoluene | <0.02 | mg/L | |
| Endrin | ИP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | <0.05 | mg/L | |
| Hexachloroethane | <0.3 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | ИP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg∕L | |
| Methyl Ethyl Ketone | <20. | mg./L | |
| Nitrobenzene | <0.2 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Selenium | < 0 . 1 | mg/L | 3020/7740 |
| m-Cresol | <20. | mg/L | |
| | | <u> </u> | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000 PAGE 1(Contid)

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240 DEHL SAMPLE NO: 91011054

SAMPLE TYPE: SOIL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910228 DATE REPORTED: 910571

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|--------------------------|---------|-------------|----------------|
| Test | Results | Units | EPA Method |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| Pyridine | <0.5 | mg/L | |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mq/L | |
| Vinyl Chloride | <0.02 | mq /L | |
| Trichloroethylene | <0.05 | mg/L | |
| Tetrachloroethylene | <0.05 | mq / L | |
| 2,4,5-Trichlorophenol | <4Ū. | mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex | HP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corresivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | 5M 845 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SIND : Sample is not corresive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GS910240

OEHL SAMPLE NO: 91011054

SAMPLE TYPE: SOIL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910228

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS 52% INORGANIC MATERIAL, 36% ORGANIC SOIL (HUMIS) AND 12% WATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241

OEHL SAMPLE NO: 91011055

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|-------------|--------------|------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Methoxychlor | 11P | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | 66 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | 75.0 | mg/L | |
| Chremium | < 0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg L | |
| a-Cr e ∍ol | <20. | mg∠L | |
| p-Cresol | < 20. | mg /L | |
| 1,4-Dichlorobenzene | <10.0 | ma /L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg /L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg /L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg ⁄ L | |
| Lead | < 0.5 | mg∠L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg∠L | |
| Mercury | <0.02 | mg /L | 747Ŭ |
| Methyl Ethyl Ketone | < 100 | mg/L | |
| | | | |

TO:

AL YOUBE

BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241

OEHL SAMPLE NO: 91011055

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EFA Method |
|--------------------------|---------|-----------|----------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Poridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Paint (closed cup) | >200 | degrees F | 1010 |
| Corresivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910241

OEHL SAMPLE NO: 91011055

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED:

910571

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS (TOP 20%) >99% PETROLEUM HYDROCARBONS (LIGHT DIL). (BOTTON 80%) >99% WATER. < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910242 OEHL SAMPLE NO: 91011056

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|-------------------|
| Total organic halides | 0.036 | 6 √ | |
| Flash Point (closed cup) | >20Ū | degrees F | 1010 |
| Corrosivity | NP | | 1110 |
| Arsenic | <0.02 | mg (L | 3020/7060 |
| Barıum | ИP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | ⟨0.25 | mg/L | 3010/2190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | ma/L | 3020/7740 |
| Silver | NP | mg/L | 3010 /7760 |
| Hydrogen ion (pH) | NP | | 1110 |
| Cyanide (total) | HP 9H | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclar 1016 | <1.0 | mg/kg | |
| Aroclar 1221 | <1.0 | mg/kg | |
| Aroclar 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg ∕k g | |
| Aroclor 1254 | <1.0 | mg/ka | |
| Arc 'or 1260 | <1.0 | mg/kg | |

Major components SN

SN : See comment.

NP : Test Not Performed

TO:

278

ALZOSES 980015 AFB TV 78275-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910242

OEHL SAMPLE NO: 91011056

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS 89% PETROLEUM HYDROCARBONS, 7% SURFACTANTS AND 7% WATER. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243 OEHL SAMPLE NO: 91011057

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Lead | <0.5 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Benzene | 53 | mg/L | |
| Cadmium | 0.50 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 120 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg /L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | < 5.0 | mg/L | |
| 1,1-Dichloroethene | <33 | mg ∕L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachlorpethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243 DEHL SAMPLE NO: 91011057

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 302077740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.ù | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | ИP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | _ | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910243

OEHL SAMPLE NO: 91011057

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

<u>Units</u> Results

EPA Method

Comments:

SAMPLE IS 59% WATER, 39% METHANOL AND 2% ORGANIC SOIL (HUMIS). < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244

OEHL SAMPLE NO: 91011058

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|-------------|--------------|--------------------|
| Test | Results | <u>Units</u> | EPA Method |
| Lindane | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7 0 60 |
| Barıum | 19 | mg/L | 3010/7080 |
| Benzene | 940 | mg/L | |
| Cadmium | 0.75 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg //L | |
| Chloroform | < 5.0 | mg/L | |
| Chromium | < 0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg /L | |
| 1,4-Dichlorobenzene | <10.0 | mg /L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.Û | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Methaxychior | NP | mg ∕ L | |
| Methyl Ethyl Ketone | < 100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

PAGE 1(Cont'd)

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244 OEHL SAMPLE NO: 91011058

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|-------------|----------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mq/L | |
| Selenium | <0.1 | mq/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | ma/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | (40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F . | 1010 |
| Carrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910244

DEHL SAMPLE NO: 91011058

SAMPLE TYPE:

UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 80%) >99% PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 20%) >99% MATER.

< - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE ND: GT910245 OEHL SAMPLE NO: 91011059

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

DATE RECEIVED: 910308 SITE IDENTIFIER:

DATE REPORTED: 918531 DATE COLLECTED: 910301

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---|---|--|
| Total organic halides Flash Point (closed cup) Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260 | <0.03 >200 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 <1.0 | % degrees F mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 1010 |
| Arcenic Cadmium Chromium Lead Major components | <0.02 <0.2 <0.25 <0.25 | mg/L mg/L mg/L | 3020/2060 3010/2130 3010/2190 3010/2420 |

SN : See comment.

Comments:

SAMPLE IS 91% PETROLEUM HYDROCARBONS AND 9% SURFACTANTS. < - Signifies none detected and the detection limits.

TO:

286

AL OEBE BROOKS AFB TY 73235-5000 PHGE 1:Cont d:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910245

OEHL SAMPLE NO: 91011059

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

> PAGE 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246 DEHL SAMPLE NO: 91011060

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|----------------|-------|----------------------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.14 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg∕l_ | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010 /2 19 0 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.U | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg∕L_ | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246 OEHL SAMPLE NO: 91011060

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|--------------------------|---------|--------------|--------------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/ <i>77</i> 60 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 . |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910246

DEHL SAMPLE NO: 91011060

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

OATE FOLLECTED: 910701

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 50%) >995 PETROLEUM HYDROCARBONS (ALKANES). (BOTTOM 50%) >99% WATER. < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247 DEHL SAMPLE NO: 91011061

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | <u>EPA Method</u> |
|----------------------|----------------|--------------|-------------------|
| Lead | <0.5 | mg/L | 3010/7420 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <i>7</i> 9 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordan e | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg ∕L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexach Lorobenzene | <10.0 | mg/L | |
| dexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| _indane | NP | mg/L | |
| 1ercury | <0.02 | mg/L | 7470 |
| 1ethoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |

TO:

AL/GEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247 OEHL SAMPLE NO: 91011061

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 30 2 <i>0/77</i> 40 |
| Silver | <0.5 | mg/L | 301 0/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Cerrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 5.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910247

OEHL SAMPLE NO: 91011061

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS.

Test

Results Un i ts EPA Method

Comments:

SAMPLE IS 79% PETROLEUM HYDROCARBONS (THICK DIL) AND 21% SURFACTANTS. < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248

OEHL SAMPLE NO: 91011062

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|--------------------------|--------------|--------------|-------------------|
| Lead | <0.5 | mg/L | 30 10/7420 |
| Flash Point (closed cup) | 85 | degrees F | 1010 |
| Arsenic | <0.5 | mg ŽL | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 300 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chlorofórm | <5.û | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | < 5.0 | mg/L | |
| 1,1-Dichloroethene | < 5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248

OEHL SAMPLE NO: 91011062

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|-----------------------|---------|-------|----------------|
| Nitrobenzene | <10.0 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910248

OEHL SAMPLE NO: 91011062

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910701

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (KEROSENE/JET FUEL). < - Signifies none detected and the detection limits.</p>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249

OEHL SAMPLE NO: 91011063

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method | |
|----------------------|----------------|--------|------------|--|
| Methoxychlör | NP | mg/L | | |
| Arsenic | < 0.5 | mg/L | 3020/7060 | |
| Barium | <10.0 | mg/L | 3010/7080 | |
| Benzene | 26 | mg/L | | |
| Cadmium | <0.1 | mg∕L | 3010/2130 | |
| Carbon Tetrachloride | <5.0 | mg/L | | |
| Chlordane | NP | mg/L | | |
| Chlorobenzene | <10.0 | mg/L | | |
| Chloroform | <5.0 | mg∕L | | |
| Chromium | <0.5 | mg/L | 3010/7190 | |
| m-Cresol | <20. | mg/L | | |
| o-Cresol | <20. | mg ⁄L | | |
| p-Cresol | <20. | mg ∕L | | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | | |
| 1,2-Dichlorgethane | <5.0 | mg./L | | |
| 1,1-Dichloraethene | < 5.0 | mg∕L | | |
| 2,4-0 | NP | mg/L | | |
| 2,4-Dinitrotoluene | <10.0 | mg ⁄L | | |
| Endrin | NP | mg ∕ L | | |
| Heptachlor | NP | mg/L | | |
| Hexachlorobenzene | <10.0 | mg/L | | |
| Hexachlorobutadiene | <10.0 | mg/L | | |
| Hexachloroethane | <10.0 | mg/L | | |
| Lead | <0.5 | mg/L | 3010/7420 | |
| Lindane | NP | mg/L | | |
| Nitrobenzene | <10.0 | mg/L | | |
| Mercury | <0.02 | mg/L | 7470 | |
| Methyl Ethyl Ketone | <100 | mg/L | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249 DEHL SAMPLE NO: 91011063

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 9.0761 DATE REPORTED: 910531

SAMPLE SUBMITIES BY USAF RGN HOSP ELMENDORF/SGPB

RESULTS

| Lest | <u>Results</u> | Units | EPA Method |
|--|---|---|--|
| Pentachlorophenol Pyridine Selenium Silver Toxaphene Vinyl Chloride Trichloroethylene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol Tetrachloroethylene Silvex Flash Point (closed oup) Cornosility Hydroger ion pH) | <10.0 <10.0 <0.1 <0.5 NP <10.0 <5.0 <40. <10.0 20 NP >200 SINC 6.0 | mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 3020/7740 3010/7760 1010 1110 1110 |
| Eyanide (total) Sulfides | <2.0 <10.0 | mg/L | SW 846 SEC 8.3 SW 846 SEC 8.3 |

Major components SN

Nº : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910249

OEHL SAMPLE NO: 91011063

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS 93% PETROLEUM HYDROCARBONS (HEAVY OIL) AND 7% SURFACTANTS. Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: /

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250

OEHL SAMPLE NO: 91011064

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|----------------------|---------|-------|------------|
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | < 5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg ∕L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250 OEHL SAMPLE NO: 91011064

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|--------------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/ <i>77</i> 60 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichlordethylene | <5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | • | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910250

OEHL SAMPLE NO: 91011064

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Comments:

SAMPLE IS (TOP 95%) 90% PETROLEUM HYDROCARBONS (MED. DILY SLUDGE), 8% SURFACTANTS AND 2% WATER. (BOTTOM 5%) >99% WATER. Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910251 OEHL SAMPLE NO: 91011065

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|--------------|----------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mq/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mq/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) | 10.0 | - | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| M | CV | • | |

Major components SN

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 99% WATER AND 1% INORGANIC SALTS.
Signifies none detected and the detection limits.

TO:

AL/OEBE 303 PAGE 1(Cont'd)

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910252 OEHL SAMPLE NO: 91011866

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--|--|--|--|
| Flash Point (closed cup) Corrosivity Arsenic Berium Cadmium Chromium Lead Mercury Selenium | SINC <0.5 <10.0 <0.1 <0.5 <0.5 <0.02 <0.1 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 |
| Silver Hydrogen ion (pH) Cyanide (total) Sulfides Major components | <0.5 9.0 <2.0 <10.0 | mg/L | 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 99% WATER AND 1% INORGANIC SALTS.
<- Signifies none detected and the detection limits.

TO:

AL/DEBE 304 PAGE 1(Cont'd)

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910251

OEHL SAMPLE NO: 91011065

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDORF/SGPB

RESULTS

Test

Results

<u>Units</u>

<u>EFA Method</u>

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

> PAGE 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910252

OEHL SAMPLE NO: 91011066

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Methou

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

PAGE

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253 OEHL SAMPLE NO: 91011067

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|----------------------|---------|--------------|-------------------|
| Methoxychlor | NP | mg/L | |
| Tetrachloroethylene | 78 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium - | <10.0 | mg/L | 3010/70 80 |
| Benzene | <5.0 | mg/L | |
| Cadmium | 0.32 | mg/L | 3010/7130 |
| Carbon Tetrachloride | 15 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| n-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| l,4-Dichlorobenzene | <10.0 | mg/L | |
| ,2-Dichloroethane | <5.0 | mg/L | |
| ,1-Dichloroethene | <10.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Indrin | NP | mg/L | |
| leptachlor | NP | mg/L | |
| lexach lorobenzene | <10.0 | mg/L | |
| Mexach lorobutadiene | <10.0 | mg/L | |
| lexach loroe thane | <10.0 | mg/L | |
| ead | <0.5 | mg/L | 3010/7420 |
| indane | NP | mg/L | |
| litrobenzene | <10.0 | mg/L | |
| lercury | <0.02 | mg/L | 7470 |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253 OEHL SAMPLE NO: 91011067

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| Methyl Ethyl Ketone | <100 | mg/L | |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mq/L | 3010/2760 |
| Toxaphene | NP | mq/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mq/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mq/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | 120 | degrees F | 1010 |
| Corresivity | SINC | 2 | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| | | | |

Major components SN

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910253

OEHL SAMPLE NO: 91011067

SAMPLE TYPE:

UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED:

910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 40%) 99% PETROLEUM HYDROCARBONS (MOTOR OIL) AND 1% WATER, (BOTTOM) 94% WATER AND 6% PETROLEUM HYDROCARBONS. Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910254 OEHL SAMPLE NO: 91011068

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Tank | D= b= | lla i ka | FDA Makhad |
|--------------------------|---------|-----------|-------------------|
| <u>Test</u> | Results | Units | EPA Method |
| Total organic halides | <0.03 | % | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | _ | 1110 |
| Arsenic | <0.02 | mg/L | 3020 /7060 |
| Barium | NP | mg/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 30 10/7130 |
| Chromium | <0.25 | mg/L | 3010/7190 |
| Lead | <0.25 | mg/L | 3010/7420 |
| Mercury | ИP | mg/L | 7470 |
| Selenium | NP | mg/L | 30 20/7740 |
| Silver | NP | mg/L | 3010/7760 |
| Hydragen ion (pH) | NP | - | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclar 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg/kg | |
| Aroclor 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg/kg | |
| Major components | SN | | |

.,.

SN : See comment.

NP : Test Not Performed

TO: 310

AL MOEBE BROOKS HEB ITM 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910254

DEHL SAMPLE NO: 91011068

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMENDOPF/SGPB

RESULTS

Test

Results <u>Units</u>

EPA Method

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: Z

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255 OEHL SAMPLE NO: 91011069

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|----------------------|---------|--------------|-------------------|
| Tetrachloroethylene | 16 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | 2200 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | < 5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/F190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg /L | |
| 1,4-Dichlorobenzene | <0.7 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | 1100 | mg/L | |
| 2,4-D | NP | mg/L | |
| Endrin | NP | mg/L | |
| 2,4-Dinitrataluene | <0.02 | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <0.02 | mg/L | |
| Hexachlorobutadiene | < 0.05 | mg/L | |
| Hexachloroethane | < 0.3 | mg/L | |
| Lead | 2.0 | mg/L | 3010 /7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | <100 | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255 OEHL SAMPLE NO: 91011069

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|---|---------------|-------------------|------------------------|
| Nitrobenzene Pentachlorophenol | <0.2 <10.0 | mg/L mg/L | |
| Pyridine | <0.5 | mg/L | |
| Selenium Silver | <0.1 <0.5 | mg/L | 3020/7740 3010/7760 |
| Toxaphene | NP | mg/L mg/L | 2010///60 |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene 2,4,5-Trichlorophenol | <5.0 <40. | mg/L mg/L | |
| 2,4,6-Trichlorophenol | <0.2 | mg/L | |
| Silvex Flash Point (closed cup) | NP >200 | mg/L degrees F | 1010 |
| Corrosivity | SINC | <u>-</u> | 1110 |
| Hydrogen ion (pH) Cyanide (total) | 8.0 <2.0 | | 1110 SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

NP : Test Not Performed

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 50%) 63% WATER AND 37% PETROLEUM HYDROCARBONS.

< - Signifies none detected and the detection limits.

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910255

OEHL SAMPLE NO: 91011069

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910256

OEHL SAMPLE NO: 91011070

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--|----------------------|---|---|
| Total organic halides Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 | 0.1 | Units % degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/k mg/kg mg/kg mg/kg | EPA Method 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Aroclor 1248 Aroclor 1254 Aroclor 1260 Major components | <1.0 <1.0 <1.0 | mg/kg mg/kg mg/kg | |

SN

: See comment.

NP : Test Not Performed

TO:

AL/OEBE

BROOKS AFB | TX 78235-5000

315

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910256

OEHL SAMPLE NO: 91011070

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR OIL). < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 22

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257 OEHL SAMPLE NO: 91011071

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|----------------|--------------|--------------------|
| <u>Test</u> | Results | <u>Units</u> | EPA Method |
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/ 20 80 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | < 5. 0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg/L | |
| Mercury | <0.02 | mg/L | 7470 |
| Methyl Ethyl Ketone | <100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| | | - | |

TO:

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257 OEHL SAMPLE NO: 91011071

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------------------|----------------|--------------|------------------------|
| Pentachlorophenol Pyridine | <10.0 <10.0 | mg/L | |
| Selenium | <0.1 | mg/L mg/L | 3020/7740 |
| Silver Toxaphene | <0.5 NP | mg/L mg/L | 3010/7760 |
| Vinyl Chloride Trichloroethylene | <10.0 <5.0 | mg/L mg/L | |
| | 1100 <40. | mg/L mg/L | |
| 2,4,6-Trichlorophenol Silvex | <10.0 NP | mg/L mg/L | |
| Flash Point (closed cup) Corrosivity | >200 SINC | degrees F | 1010 1110 |
| Hydrogen ion (pH) Cyanide (total) | 9.0 <2.0 | | 1110 SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |

NP

: Test Not Performed

SINC : Sample is not corrosive.

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 50%) 100% WATER.

Signifies none detected and the detection limits.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910257

OEHL SAMPLE NO: 91011071

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

319

Reviewed by: /

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910258

OEHL SAMPLE NO: 91011072

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | <u>Units</u> | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Hydrogen ion (pH) Cyanide (total) Sulfides | >200 SINC <0.5 <10.0 <0.1 <0.5 <0.05 <0.02 <0.1 <0.5 <1.0 <2.0 <10.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 7470 3020/7740 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS 67% WATER, 32% HYDROCHLORIC ACID AND 1% INORGANICS. < - Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB | TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910258

OEHL SAMPLE NO: 91011072

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

<u>Test</u>

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

> PAGE 2

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910259 OEHL SAMPLE NO: 91011073

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|-----------------------|--------------|--|
| Flash Point (closed cup) Corrosivity | SINC | degrees F | 1010 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barıum | <10.0 | mg/L | 3010/7080 |
| Cadmıum | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Leed | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Hydrogen ion (pH) Cyanide (total) Sulfides | <1.0 <2.0 <10.0 | mg/L | 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |

SINC : Sample is not corrosive.

Comments:

SAMPLE IS 73% WATER, 24% PHOSPHORIC ACID AND 3% INORGANICS.

Signifies none detected and the detection limits.

TO:

AL/OEBE BROOKS AFB TX 78235-5000 322

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910259

OEHL SAMPLE NO: 91011073

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260

OEHL SAMPLE NO: 91011074

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | · · · · · · · · · · · · · · · · · · · | |
|----------------------|--------------|---------------------------------------|-------------------|
| <u>lest</u> | Results | Units | EPA Method |
| Methoxychlor | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3 020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg./L | |
| Chloroform | < 5.0 | mg∕L. | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p⊲Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | < 5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg/L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg/L | 3010/7420 |
| Lindane | NP | mg.∕L | |
| Nitrobenzene | <10.0 | mg/L | |
| Mercury | <0.02 | mg ∕ L | 7470 |
| Methyl Ethyl Ketone | <100 | mg∕L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260 OEHL SAMPLE NO: 91011074

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|----------------|-----------|----------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.0 | mq/L | |
| Tetrachloroethylene | <5.0 | mq/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mq/L | |
| Silvex | NP | mg/L | · |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 6.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910260

OEHL SAMPLE NO: 91011074

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS (TOP 50%) >99% PETROLEUM HYDROCARBONS (MOTOP GIL). (BOTTOM 50%) >99% WATER.

Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910261

OEHL SAMPLE NO: 91011075

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--|--|---|---|
| Flash Point (closed cup) Corrosivity Arsenic Barium Cadmium Chromium Lead Selenium Mercury Silver Hydrogen ion (pH) Cyanide (total) Sulfides | 124 SINC <0.5 <10.0 <0.1 <0.5 <0.5 <0.1 <0.02 <0.5 11.0 <2.0 <10.0 | degrees F mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | 1010 1110 3020/7060 3010/7080 3010/7130 3010/7190 3010/7420 3020/7740 7470 3010/7760 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | | |

SINC

: Sample is not corrosive.

SN

: See comment.

Comments:

SAMPLE IS >99% WATER.

Signifies none detected and the detection limits.

TO:

AL/OEBE

327

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910261

OEHL SAMPLE NO: 91011075

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910262 DEHL SAMPLE NO: 91011076

SAMPLE TYPE: UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| <u>Test</u> | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Total organic halides | <0.03 | * | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | NP | _ | 1110 |
| Arsenic | <0.02 | mg/L | 3020/7060 |
| Barium | NP | ma/L | 3010/7080 |
| Cadmium | <0.2 | mg/L | 3010/7130 |
| Chromium | 0.35 | mg/L | 3010/7190 |
| Lead | <0.25 | mq/L | 3010/7420 |
| Mercury | NP | mg/L | 7470 |
| Selenium | NP | mg/L | 3020/7740 |
| Silver | NP | mq/L | 3010/2760 |
| Hydrogen ion (pH) | NP | . 3 - | 1110 |
| Cyanide (total) | NP | | SW 846 SEC 8.3 |
| Sulfides | NP | mg/L | SW 846 SEC 8.3 |
| Aroclor 1016 | <1.0 | mg/kg | |
| Aroclor 1221 | <1.0 | mg/kg | |
| Aroclor 1232 | <1.0 | mg∕kg | |
| Aroclar 1242 | <1.0 | mg/kg | |
| Aroclor 1248 | <1.0 | mg/kg | |
| Aroclor 1254 | <1.0 | mg/kg | |
| Aroclor 1260 | <1.0 | mg∕kg | |
| Major components | SN | | |

Major components

SN

SN : See comment.

NP : Test Not Performed

TO:

329

AL/OEBE BROOKS AFB TX T8235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GC910262

OEHL SAMPLE NO: 91011076

SAMPLE TYPE:

UNCLASSIFIED

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Comments:

SAMPLE IS >99% PETROLEUM HYDROCARBONS (MOTOR DIL). Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910263

OEHL SAMPLE NO: 91011077

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|--------------------------------------|--------------|-----------|-------------------|
| Test | Results | Units | EPA Method |
| Flash Point (closed cup) Corrosivity | >200 SINC | degrees F | 1010 1110 |
| Arsenic | <0.5 | mq/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020 /7740 |
| Silver | <0.5 | mg/L | 3010/2760 |
| Hydrogen ion (pH) | 12.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC

: Sample is not corrosive.

SN

: See comment.

Comments:

SAMPLE IS 81% WATER AND 19% PETROLEUM HYDROCARBONS. Signifies none detected and the detection limits.

TO:

AL/OEBE

331

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910263

OEHL SAMPLE NO: 91011077

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: 2

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264 OEHL SAMPLE NO: 91011078

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| | | | |
|----------------------|-------------|-------------|--------------------|
| <u>Test</u> | Results | Units | EPA Method |
| Lindane | NP | mg/L | |
| Arsenic | <0.5 | mg/L | 3020/ 7 060 |
| Barium | <10.0 | mg/L | 3010/7080 |
| Benzene | <5.0 | mg/L | |
| Cadmium | < 0.1 | mg/L | 3010/7130 |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlordane | NP | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | < 5.0 | mg/L | |
| Chromium | <0.5 | mg/L | 3010/7190 |
| m-Cresol | <20. | mg/L | |
| o-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg /L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | <5.0 | mg /L | |
| 2,4-D | NP | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Endrin | NP | mg/L | |
| Heptachlor | NP | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Hexachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Lead | <0.5 | mg∕L | 3010/7420 |
| Mercury | <0.02 | mg/L | <i>747</i> 0 |
| Methoxychlor | NP | mg/L | |
| Methyl Ethyl Ketone | < 100 | mg/L | |
| Nitrobenzene | <10.0 | mg/L | |
| | | | |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264 DEHL SAMPLE NO: 91011078

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|--------------------------|---------|--------------|----------------|
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 |
| Toxaphene | NP | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | <5.U | mg/L | |
| Tetrachloroethylene | 300 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Silvex | NP | mg/L | |
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | | 1110 |
| Hydrogen ion (pH) | 7.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

NP : Test Not Performed

SINC : Sample is not corrosive.

SN : See comment.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910264

OEHL SAMPLE NO: 91011078

SAMPLE TYPE:

WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED:

910308

DATE COLLECTED: 910301

DATE REPORTED:

910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Comments:

SAMPLE IS 98% 1,1,1 TRICHLOROETHANE AND 2% WATER. < - Signifies none detected and the detection limits.

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by: '

Michael J. Wantland, MSgt, USAF NCOIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910265

OEHL SAMPLE NO: 91011079

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|--------------------------|---------|-----------|----------------|
| Flash Point (closed cup) | >200 | degrees F | 1010 |
| Corrosivity | SINC | _ | 1110 |
| Arsenic | <0.5 | mg/L | 3020/7060 |
| Barium | <10.0 | mg/L | 3010/7080 · |
| Cadmium | <0.1 | mg/L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/7190 |
| Lead | <0.5 | mg/L | 3010/7420 |
| Mercury | <0.02 | mg/L | 7470 |
| Selenium | <0.1 | mg/L | 3020/7740 |
| Silver | <0.5 | mg/L | 3010/7760 , |
| Hydrogen ion (pH) | 9.0 | | 1110 |
| Cyanide (total) | <2.0 | | SW 846 SEC 8.3 |
| Sulfides | <10.0 | mg/L | SW 846 SEC 8.3 |
| Major components | SN | | |

SINC : Sample is not corrosive.

SN

: See comment.

Comments:

SAMPLE IS 67% WATER, 32% PETROLEUM HYDROCARBONS AND 1% INORGANICS. < - Signifies none detected and the detection limits.</p>

TO:

336

AL/OEBE BROOKS AFB TX 78235-5000

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910265

OEHL SAMPLE NO: 91011079

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results <u>Units</u> EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Michael J. Wantland, MSqt. USAF NCDIC Technical Operations Branch

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266

OEHL SAMPLE NO: 91011080

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910301

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | <u>Units</u> | EPA Method |
|-----------------------|---------|--------------|-------------------|
| Benzene | <5.0 | mg/L | |
| Carbon Tetrachloride | <5.0 | mg/L | |
| Chlorobenzene | <10.0 | mg/L | |
| Chloroform | <5.0 | mg/L | |
| m-Cresol | <20. | mg/L | |
| a-Cresol | <20. | mg/L | |
| p-Cresol | <20. | mg/L | |
| 1,4-Dichlorobenzene | <10.0 | mg/L | |
| 1,2-Dichloroethane | <5.0 | mg/L | |
| 1,1-Dichloroethene | < 5.0 | mg/L | |
| 2,4-Dinitrotoluene | <10.0 | mg/L | |
| Hexachlorobenzene | <10.0 | mg/L | |
| Haxachlorobutadiene | <10.0 | mg/L | |
| Hexachloroethane | <10.0 | mg/L | |
| Methyl Ethyl Ketone | <20. | mg/L | |
| Nitrobenzene | <10.0 | mg/L | • |
| Pentachlorophenol | <10.0 | mg/L | |
| Pyridine | <10.0 | mg/L | |
| Vinyl Chloride | <10.0 | mg/L | |
| Trichloroethylene | < 5.0 | mg/L | |
| Tetrachloroethylene | <5.0 | mg/L | |
| 2,4,5-Trichlorophenol | <40. | mg/L | |
| 2,4,6-Trichlorophenol | <10.0 | mg/L | |
| Arsenic | <0.5 | mg/L | 3020 /7060 |
| Barium | <10.0 | mg/L | 3010 /7080 |
| Cadmium | <0.1 | mg∕L | 3010/7130 |
| Chromium | <0.5 | mg/L | 3010/719 0 |
| Lead | <0.5 | mg/L | 3010/7420 |

TO:

AL/OEBE

BROOKS AFB TX 78235-5000 338

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266 OEHL SAMPLE NO: 91011080

SAMPLE TYPE: WASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER: DATE RECEIVED: 910308

DATE COLLECTED: 910301 DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

| Test | Results | Units | EPA Method |
|---|--|-----------------------------------|--|
| Mercury Selenium Silver Flash Point (closed cup) Corrosivity Hydrogen ion (pH) Cyanide (total) Sulfides | <0.02 <0.1 <0.5 124 SINC 6.0 <2.0 <10.0 | mg/L mg/L mg/L degrees F | 7470 3020/7740 3010/7760 1010 1110 1110 SW 846 SEC 8.3 SW 846 SEC 8.3 |
| Major components | SN | mg/L | 3W 848 SEC 8.7 |

SINC : Sample is not corrosive.

SN : See comment.

Comments:

SAMPLE IS (TOP 5%) >99% PETROLEUM HYDROCARBONS (MOTOR OIL). (BOTTOM 95%) 90% WATER AND 10% PETROLEUM HYDROCARBONS.

< - Signifies none detected and the detection limits.

REPORT OF ANALYSIS

BASE SAMPLE NO: GT910266

CEHL SAMPLE NO: 91011080

SAMPLE TYPE: MASTE, HAZARDOUS/TOXIC/DISPOSAL

SITE IDENTIFIER:

DATE RECEIVED: 910308

DATE COLLECTED: 910781

DATE REPORTED: 910531

SAMPLE SUBMITTED BY: USAF RGN HOSP ELMEMDORF/SGPB

RESULTS

Test

Results Units

EPA Method

Analyzed by: Raba-Kistner Consultants, Inc.

Reviewed by:

Michael J. Wantland, MSqt, USAF NCOIC Technical Operations Branch